

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A292.9
S0346
Copy 2

STA/STA



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources

May 13 1983
CLARK'S STORE, SALT LAKE CITY



April 1, 1983

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: FRESH POWDER SNOW ON ELEPHANT MOUNTIAN, NEAR THE WEST FORK OF HYALITE CREEK, IN MONTANA.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

FOR UTAH

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

FRANCIS T. HOLT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

DANIEL F. LAWRENCE
Director
Division of Water Resources

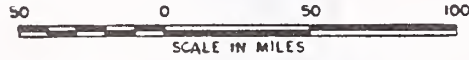
**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

PROSPECTIVE WATER SUPPLIES

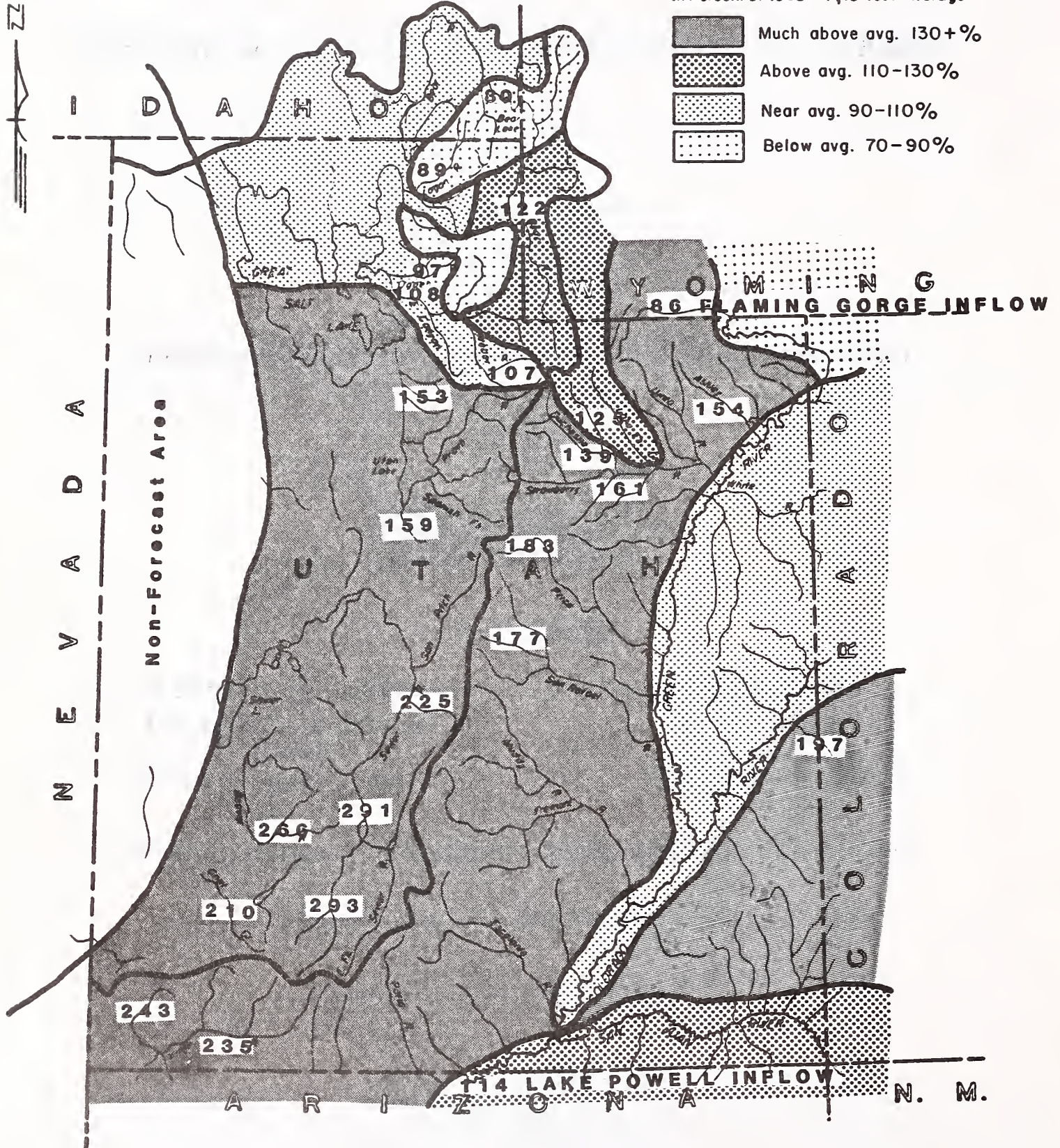
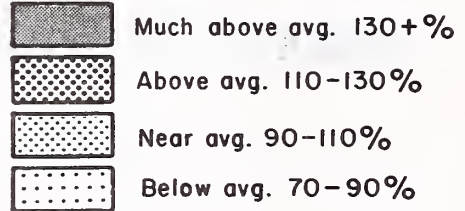
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

April 1, 1983

Approximate Date



FORECAST STREAM FLOW
in Percent of 1963-77, 15 Year Average



WATER SUPPLY OUTLOOK

As Of April 1, 1983

* Utah's 1983 water supply outlook ranges from near *
* average in the north to well above average in the *
* south. Snow cover ranges from 86% of average on the *
* Upper Bear to 265% in the southwest corner of the state *
* above Enterprise. Precipitation during March ranged *
* from near average to twice average in the north to *
* three to five times average in the south. Soils are *
* much wetter than usual and reservoir storage is 126% of *
* average statewide. Streamflow forecasts now range from *
* near average to five times average. *

SNOW COVER

Snow measurements taken the last week of March show much heavier increases for the month than usual and now range from 70 to 100% of average on the Bear, Black's Fork, Logan, Blacksmith Fork, Little Bear, and South Fork Ogden to 200 to 400% on the Beaver, Upper Sevier, Coal Creek, Shoal Creek and Blue Mountains of Southeastern Utah.

Many snow courses set new April 1 water content records in central and southern Utah.

PRECIPITATION

Precipitation at mountain stations generally ranged from near average along the Idaho border, to three to almost five times average in southern Utah. Most stations on the Ogden, Weber and Black's Fork are 120 to 200%. The south slope of the Uinta Mountains and central Utah stations range from 200 to 300% of the March average.

SOIL MOISTURE

Watershed soils are much wetter than average over most of the state and should absorb much less snowmelt this season.

RESERVOIR STORAGE

Storage in 26 of Utah's key reservoirs is 126% of the April 1 average and 91% of usable capacity. Many reservoirs have been releasing water to make room for spring snowmelt runoff.

The Great Salt Lake is now 4203.20 feet above sea level or the highest since 1927 and 3.30 feet higher than a year ago.

Utah Lake is now 2.40 feet above compromise and expected to rise further as snowmelt begins.

WATER SUPPLY OUTLOOK (continued)

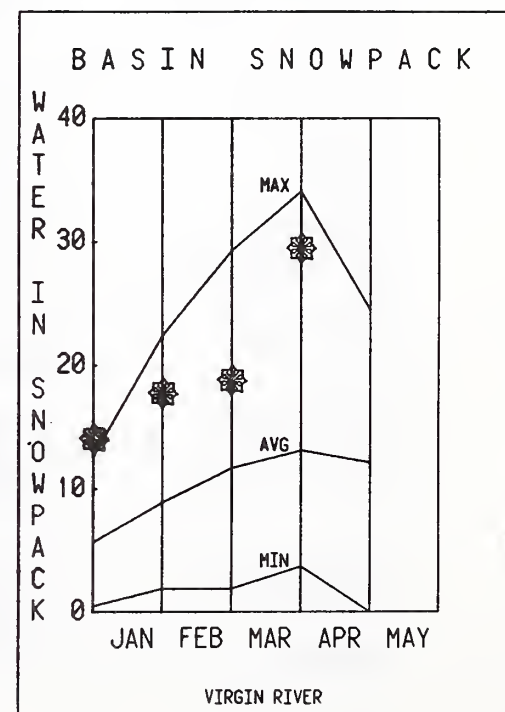
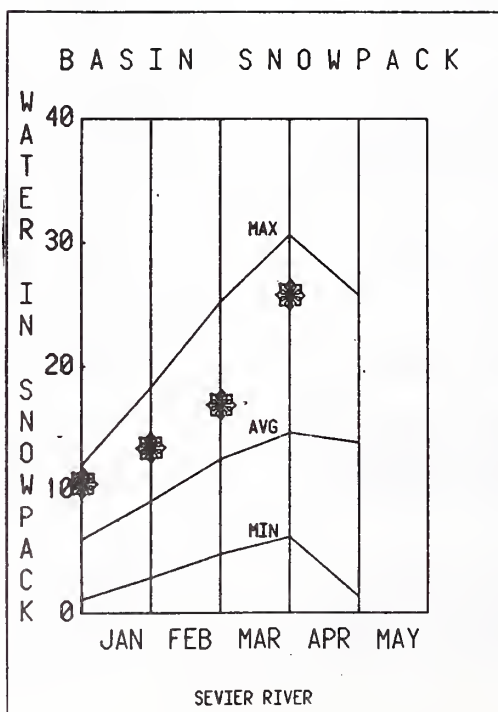
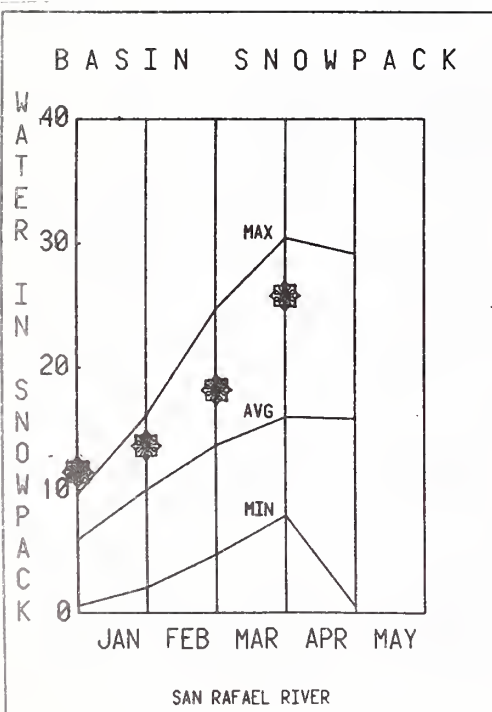
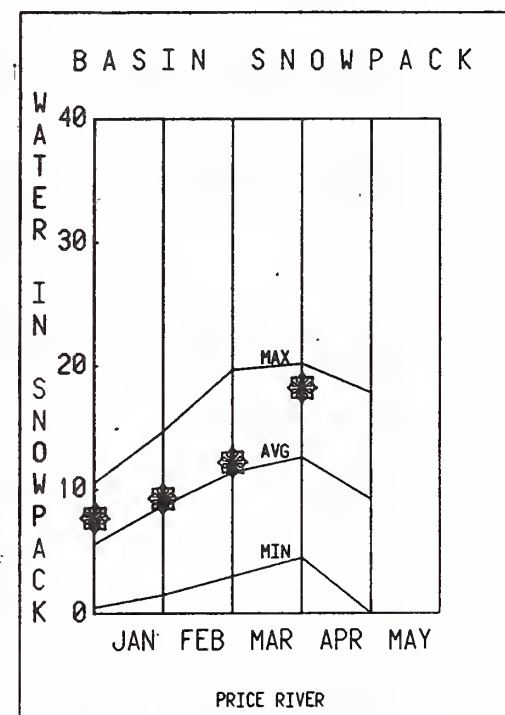
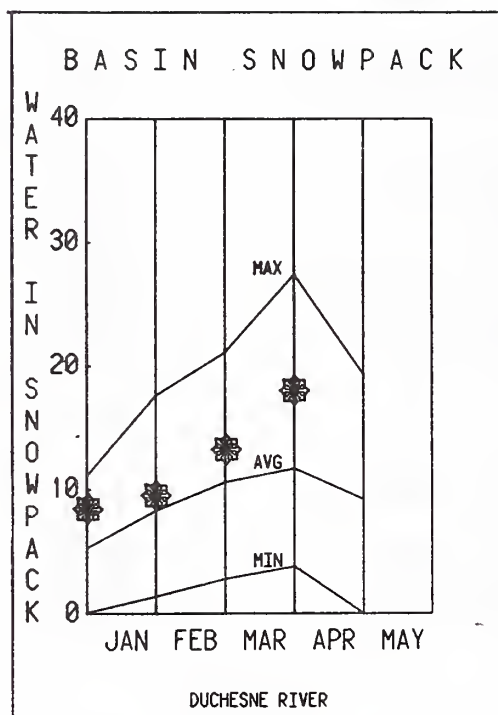
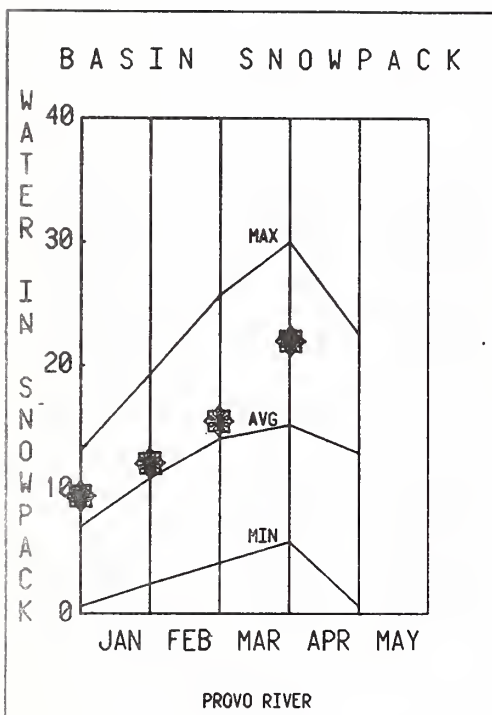
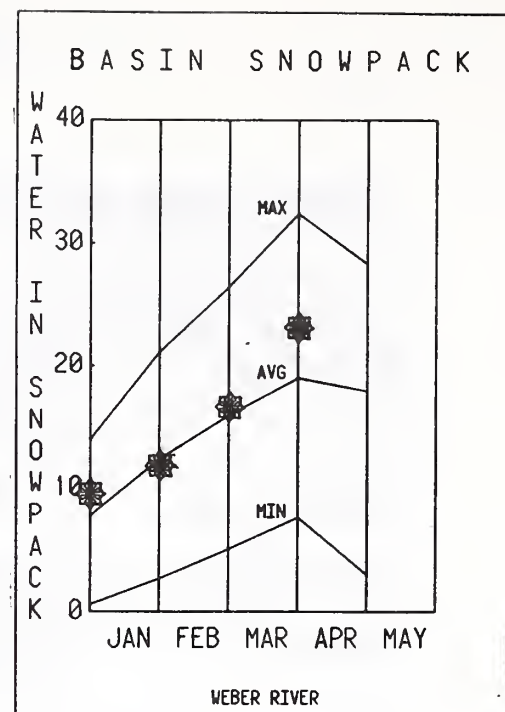
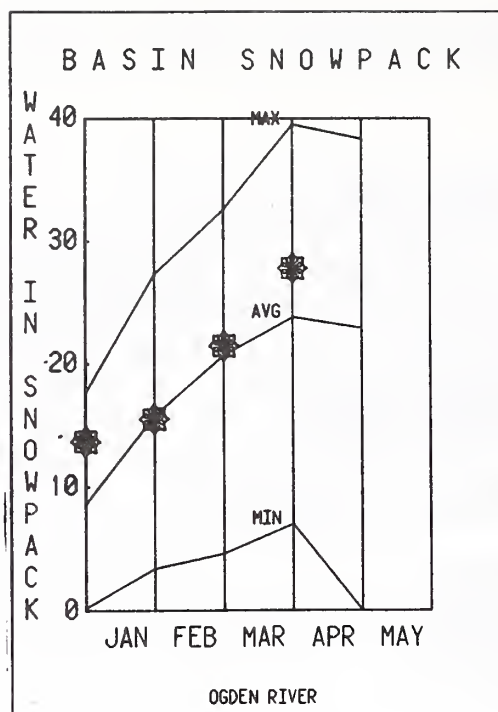
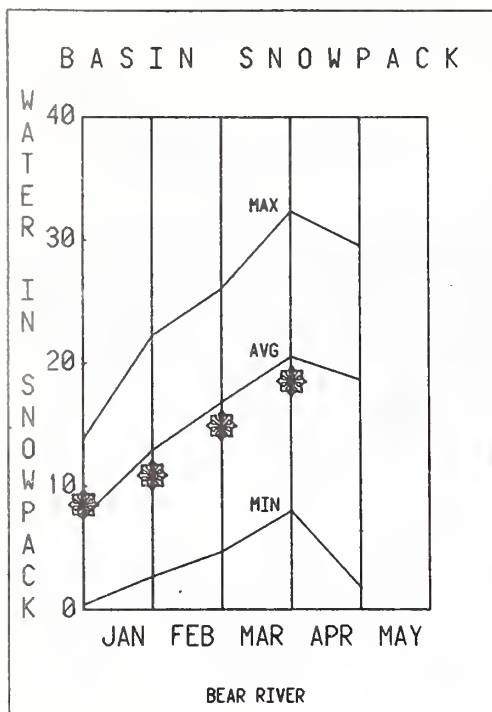
STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period raised again this month after heavy increases to the snowpack and now range from 79% on Little Bear to over 500% for Minersville Inflow on the Lower Beaver River. Below average areas are the Lower Bear, Logan and Lost Creek. Near average areas are the Ogden, Weber, Upper Bear and mainstem Colorado River. The remainder of the state is above average to much above average with a good portion of the southern half of the state's forecasts exceeding 200% of the April-July average. Peak flows are expected to be well above average in central and southern Utah and land-owners should protect property along stream channels.

The Great Salt Lake is now forecast to rise to 4203.70 feet or another 0.5 foot from April 1st. Utah Lake is forecast to peak at 2.65 feet above compromise assuming weather and runoff conditions are normal this spring.

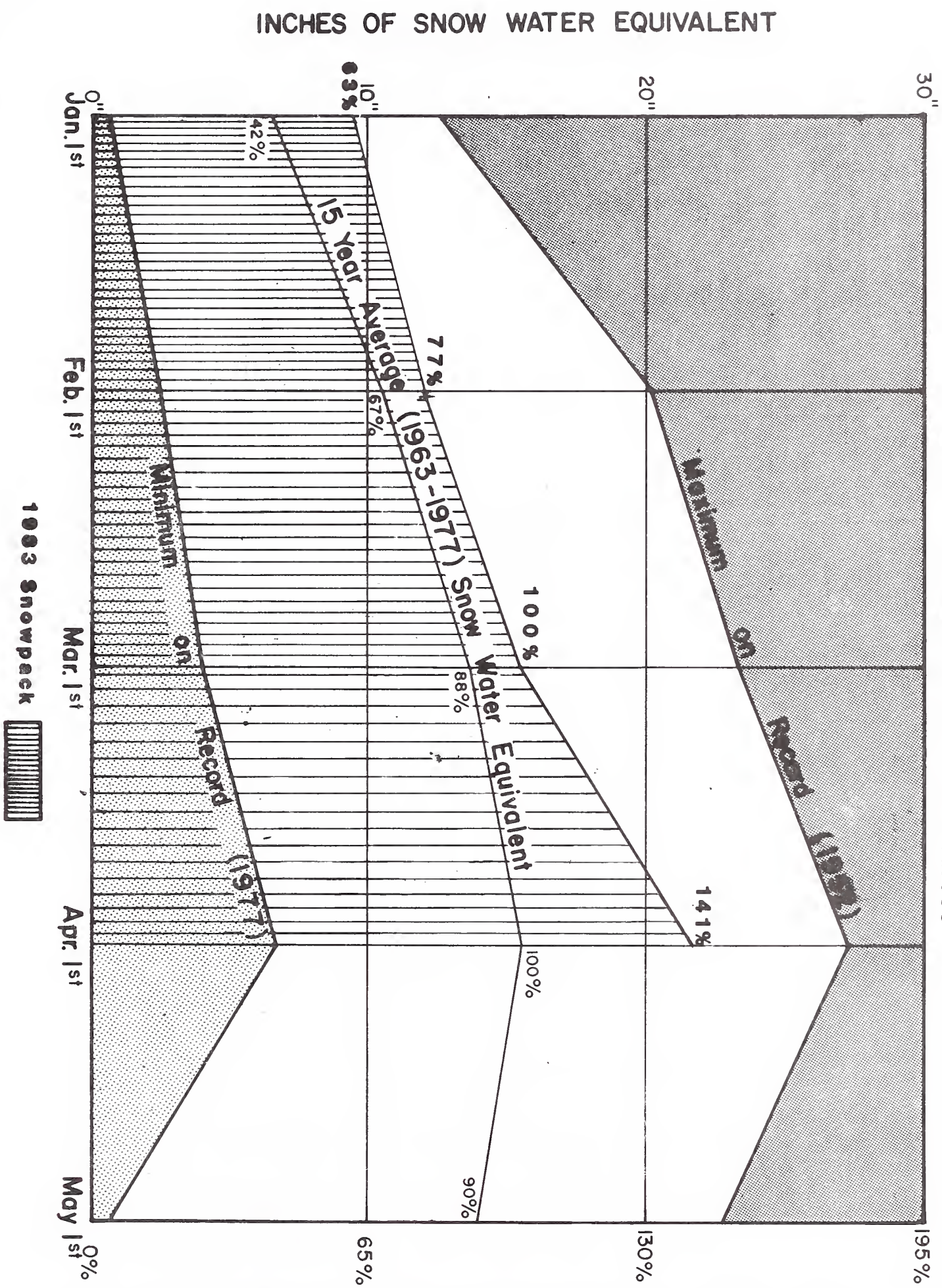
RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1101.5	957.6	1039.5
	Woodruff Narrows	57.3	36.4 ^e	34.7 ^e	23.8
	Woodruff Creek	---	3.5 ^e		
<u>Beaver River</u>	Minersville (RkyFd)	26.0	24.6	19.6	14.9
<u>Little Bear</u>	Hyrum	15.3	10.6 ^e	10.2	12.4
	Porcupine	11.3	4.6 ^e	6.0 ^e	5.2
<u>Ogden</u>	Causey	6.9	1.4	1.1	2.5
	Pineview	110.1	79.8	78.6	55.8
<u>Provo</u>	Deer Creek	149.7	112.3	115.0	108.7
<u>Settlement Creek</u>	Settlement Creek	1.2	0.9	0.6	
	Vernon Creek	0.6	0.4	0.5	---
<u>Sevier River</u>	Gunnison	18.2	15.7	18.2	16.5
	Otter Creek	52.5	50.2	50.7	37.3
	Piute	71.8	58.0	65.9	49.9
	Sevier Bridge	236.0	232.0	234.0	146.8
	Panguitch Lake	22.3	21.0 ^e		
<u>Spanish Fork</u>	Strawberry	270.0	256.8	182.0	156.9
<u>Utah Lake</u>	Utah Lake	883.9	1134.0	883.9	752.0
<u>Weber</u>	East Canyon	48.1	38.9	32.4	29.0
	Echo	73.9	52.2	44.2	50.7
	Lost Creek	20.0	15.2	12.5	13.1
	Rockport	60.9	44.5	27.1	32.5
	Willard Bay	193.3	167.0	156.6	145.6
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	30.6	24.4	23.4
	Red Fleet	26.0	22.4		
<u>Colorado</u>	Blue Mesa	829.5	445.8	219.9	---
	Lake Powell	25002.0	22603.0	19635.0	---
<u>Green</u>	Flaming Gorge	3749.0	3173.8	2662.0	---
<u>Lakefork</u>	Moon Lake	35.8	31.9	20.5	19.6
<u>Price River</u>	Scotfield	65.8	38.3	37.1	36.8
<u>San Juan</u>	Navajo	1696.0	1323.7	1238.2	---
	Ken's Lake	2.3	0.9	0.7	---
<u>San Rafael</u>	Huntington North	3.9	3.7	3.3	3.6
	Joe's Valley	54.6	45.1	31.5	38.0
	Mill Site	16.7	16.7	7.4	---
<u>Strawberry</u>	Starvation	165.3	117.0	139.1	127.6
	Soldier Creek	951.4	35.1		
<u>Uintah</u>	Bottle Hollow	11.5	11.1	11.1	10.6



UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses



1993 Snowpack

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



All water users should have a near average supply this season. Some late season shortages may occur where storage is not available.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast	Percent of Average		THOUSAND ACRES FEET	Average †
BEAR RIVER					
Bear nr UT-Myo. State Line	133	117	Apr-July	146	114
Bear nr Woodruff	180	122	Apr-July	190	148
Woodruff Crk nr Woodruff, UT	15.2	83	Apr-July	--	18.4 ^b
Big Creek nr Randolph, UT	6.9	128	Apr-July	--	5.4 ^b
Bear nr Randolph	139	116	Apr-July	145	120
Thomas Fork nr 10-WY State Ln	33	94	Apr-Sept	--	35
Smith's Fork nr Border, WY	96	80	Apr-Sept	--	120
Bear at Harer, Idaho 1/	265	80	Apr-Sept	--	332
Logan nr Logan 1/	105	89	Apr-July	175	118
Blacksmith Fork nr Hyrum	53	98	Apr-July	83	54
Little Bear nr Paradise	30	79	Apr-June	65	38
Cub River nr Preston, ID	47	95	Apr-Sept	--	52

SUMMARY OF SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	31	70	103
UPPER BEAR RIVER	6	71	86
LOWER BEAR RIVER	25	70	106
LOGAN RIVER	7	67	91
RAFT RIVER	3	94	137

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Foot)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1101.5	957.6	1039.5
	Woodruff Narrows	57.3	36.4 ^e	34.7	23.8
	Woodruff Creek		3.5 ^e		
LITTLE BEAR	Hyrum	15.3	10.6 ^e	10.2	12.4
	Porcupine	11.3	4.6 ^e	6.0 ^e	5.2

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	900-1200	1016
Woodruff Creek nr Woodruff	213-357	267
Little Bear nr Paradise	360-550	507
Bear nr. Ut.-Myo. Stateline	1500-2230	1600

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Average †
NAME				Last Year	
Burts-Miller Ranch	3/28	20	4.8	6.1	6.1
Cub River R.S.	3/27	17	5.3	10.2	6.9
Emigrant Summit	3/31	78	26.1	36.7	26.0
Franklin Basin	3/27	74	24.6	35.3	28.2
Hayden Fork	3/28	54	14.4	20.0	15.9
Klondike Narrows	3/26	54	18.2	28.6	20.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Average †
NAME				Last Year	
Little Bear Lower	3/26	32	9.0	14.0	9.9
Little Bear Upper	3/26	41	10.8	16.1	12.9
Monte Cristo	3/26	71	23.4	32.6	25.9
Salt River Summit	3/30	47	14.0	21.4	16.9
Stillwater Camp	3/28	40	10.0	13.1	11.3 ^b
Tony Grove R.S.	3/26	30	10.4	17.6	11.9

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 841138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE
AGR-101



FIRST CLASS MAIL

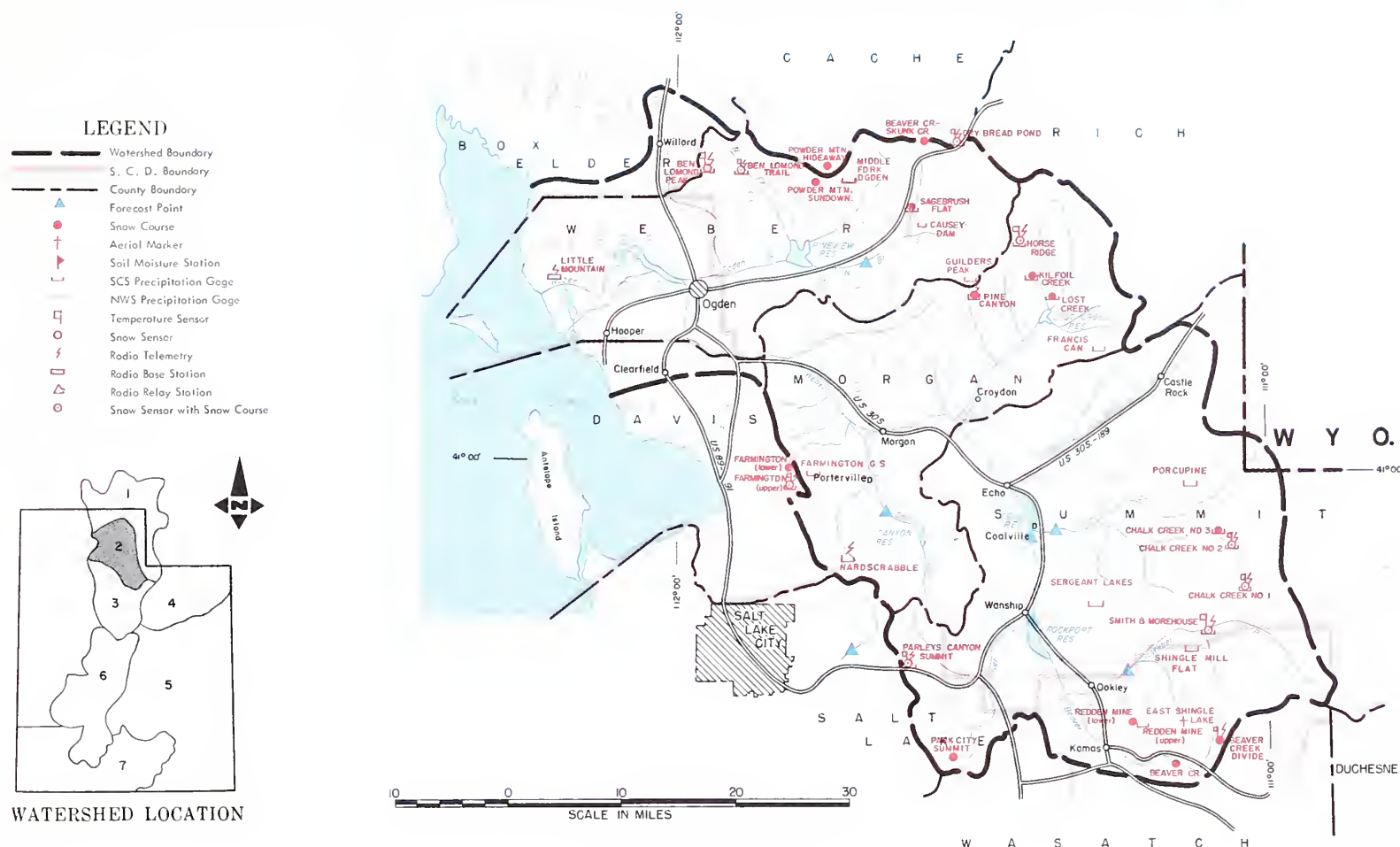


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 120% of the April 1 average on Ogden Watershed and 81% of last year. Weber River snow cover is 119% of average and 89% of last year. Farmington upper has set a new water content record for April 1st at 45.1 inches of water.

PRECIPITATION at mountain stations ranged from 119% of the March average at Horse Ridge to 273% at Ben Lomond Trail.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is 142% of average on the Ogden River and 117% on Weber River.

STREAMFLOW FORECASTS range from 86% of the April-July average on Lost Creek to 157% for Farmington Creek. Ogden River forecasts are 97% for the South Fork and 111% for Pineview Inflow. Weber River forecasts are 107% at Oakley, 109% for Rockport Inflow, 106% at Coalville, 109% for Echo Inflow, 108% at Gateway, 117% for Chalk Creek, 108% for East Canyon Creek and 118% for Hardscrabble.

All water users are expected to have adequate water supplies this season.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast Thousand Acres Foot	Percent of Average		Last Year	Average
WEBER-OGDEN RIVERS					
Weber nr Oakley	111	107	Apr-June	133	104
Rockport Reservoir Inflow 1/	122	109	Apr-June	172	112
Chalk Creek at Coalville	46	117	Apr-June	61	40
Weber nr Coalville	131	106	Apr-June	175	123
Lost Creek nr Croydon, UT	15.0	86	Apr-June	24	17.4 ^b
East Canyon Creek nr Morgan 1/	28	108	Apr-June	44	26
Hardscrabble Crk nr Porterville	22	118	Apr-June	--	18.6 ^b
South Fork Ogden nr Huntsville	55	97	Apr-June	92	57
Pineview Reservoir Inflow 2/	127	111	Apr-June	168	115
Echo Reservoir Inflow	175	109	Apr-June	215	160
Weber at Gateway	336	108	Apr-June	396	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	12.7	157	Apr-July	--	8.1 ^b

SUMMARY of SNOW MEASUREMENTS

BASIN, STREAM and/or SUBSTATION	Number of Years Recorded	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	5	81	120
WEBER RIVER	12	89	119

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 a - Partly estimated
 b - Average of all past record - less than 15 years
 e - Maximum mean daily peak flow
 + - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	Reservoir	Viable Capacity	Viable Storage		
			This Year	Last Year	Average
OGDEN	Causey	6.9	1.4	1.1	2.5
	Pineview	110.1	79.8	78.6	55.8
WEBER	East Canyon	48.1	38.9	32.4	29.0
	Echo	73.9	52.2	44.2	50.7
	Lost Creek	20.0	15.2	12.5	13.1
	Rockport	60.9	44.5	28.4	32.5
	Willard Bay	193.3	167.0	157.6	145.6

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (CFS) PERIOD	
	Forecast Range	Average
Lost Creek nr Croydon	180-300	220
South Fork Ogden nr Huntsville	600-900	772
Chalk Creek nr Coalville	490-830	568
Weber nr Oakley	1480-1940	1560

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Snow Content (Inches)	Last Year	Average
Beaver Creek R.S.	3/29	29	9.8	11.4	7.2
Beaver Creek-Skunk Creek	3/26	34	11.7	17.1	12.0
Ben Lomond Peak	3/26	131	45.0	51.0	34.1
Ben Lomond Trail	3/26	65	23.6	24.9	16.2 ^b
Chalk Creek #1	3/28	85	24.1	31.3	22.4
Chalk Creek #2	3/28	58	15.5	19.5	15.6
Chalk Creek #3	3/28	28	7.8	9.7	7.5
Dry Bread Pond	3/26	57	18.7	25.1	18.9

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Snow Content (Inches)	PAST RECORD	
				Last Year	Average
Horse Ridge	3/26	63	20.8	30.2	21.9 ^b
Lost Creek Reservoir	3/26	0	0.0	4.4	2.0 ^b
Monte Cristo	3/26	71	23.4	32.6	25.9
Parleys Canyon Summit	3/29	74	21.4	23.9	18.5
Sagebrush Flat	3/26	4	1.0	4.8	2.0
Smith & Morehouse	3/28	47	13.8	16.3	12.9
Trial Lake	3/29	83	26.8	35.5	23.5

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 2, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER received much above average March increases and now varies from 191% of the April 1 average on Parowan Creek to 265% on Enterprise-New Harmony area. Coal Creek is 255% of average and Virgin River 220%. Brian Head, Tall Poles and SUSC Ranch set new maximum water content records for April 1st.

PRECIPITATION at mountain stations varied from 207% of the March average at Yankee Reservoir to 497% at Little Grassy above Enterprise Reservoirs.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with most local reservoirs reported full and spilling.

STREAMFLOW FORECASTS now range from 114% of average for Lake Powell Inflow to 243% for the Santa Clara for the April-June period. Coal Creek is forecast 210% and Virgin River 235% of average.

Peak flows are expected to be much higher than usual this year and precautions should be taken to protect property near stream channels.

Excellent water supplies are expected for all water users this season.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast Thousand Acres Feet	Percent of Average		Thousand Acres Feet	Average
VIRGIN RIVER					
Virgin nr Hurricane	115	235	Apr-June	52	48.5
Santa Clara nr Pine Valley	10.0	243	Apr-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	35	210	Apr-July	22	17.0
UPPER COLORADO					
Lake Powell Inflow	7900	114	Apr-July	--	6952.0

SUMMARY OF SNOW MEASUREMENTS

River Basin and/or Measurement	Number of Years Available	THIS YEAR AS A PERCENT OF	
		Forecast	Average
COAL CREEK	3	210	255
VIRGIN RIVER	3	205	220
PAROWAN CREEK	4	141	191
ENTERPRISE - NEW HARMONY	2	276	265

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acres Feet)

BASIN OR STREAM	RESERVOIR	THIS YEAR		PAST RECORD	
		Thousand Acres Feet	Percent of Average	Thousand Acres Feet	Average
COLORADO	Lake Powell	25002.0	22603.0	19635.0	--
	Blue Mesa	829.5	445.8	219.9	--

PEAK FLOWS "

FORECAST POINT	PEAK FLOWS (THOUSAND FEET)	
	Forecast Range	Average
Coal Creek nr Cedar City	500-700	245
Virgin nr Virgin	1000-1400	631 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Average
Birch Crossing	3/29	36	11.7	10.5	5.3 ^b
Brian Head	3/30	99	34.3	24.6	19.9 ^b
Harris Flat	3/29	50	17.4	9.7	6.5
Kolob-Crystal	3/30	112	44.9	24.0	21.8 ^a
Little Grassy	3/30	5	1.6	0.8	2.0
Long Flat	3/30	46	18.3	6.4	5.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Average
Long Valley Junction	3/29	18	5.3	0.4 ^e	2.7
SUSC Ranch	3/29	57	24.0	8.3	6.1 ^b
Tall Poles	3/29	70	27.7	18.3	13.8 ^b
Webster Flat	3/30	98	38.2	18.6	15.7
Yankee Reservoir	3/30	53	17.9	11.4	9.0

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138
OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

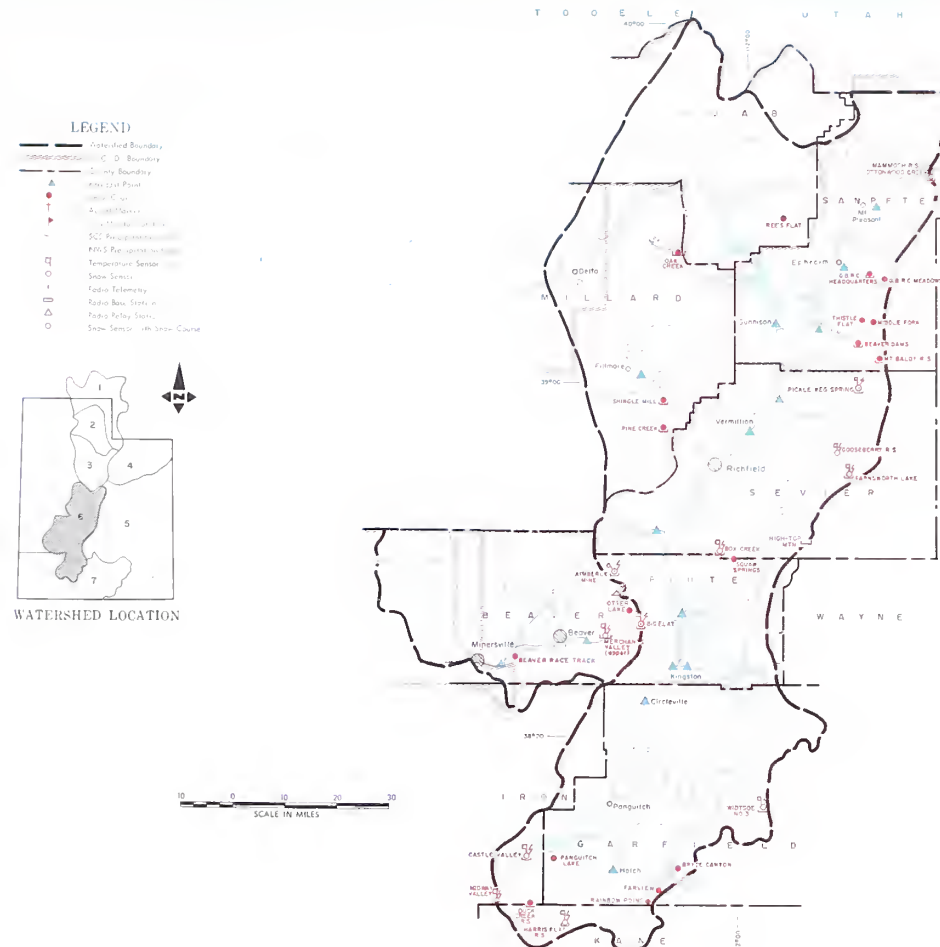


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 166% of average on the Lower Sevier to 224% on the South Fork Sevier above Kingston. The East Fork is 211% and Beaver River 206% of the April 1 average. Several snow courses have set new records for April 1st water content.

PRECIPITATION at mountain stations ranged from 145% of the March average at Box Creek to 344% at Duck Creek Ranger Station. Most stations had two to three times average precipitation for the month.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average with most reservoirs near full and releasing water.

STREAMFLOW FORECASTS range from 213% for Salt Creek near Nephi to 515% for Minersville Inflow. Other streams forecast 2 to 3 times average are: the Sevier at Hatch 293%, Kingston 304%, Gunnison 270%, Salina Creek 225%, Chalk Creek 307%, Ephraim Creek 228%, Chicken Creek 310%, Oak Creek 257% and Beaver River 266% of the April-July average.

Peak flows are expected to be much higher than average and precautions should be taken to protect property near stream channels.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast Thousand Acres Feet	Percent of Average		Last Year	Average †
SEVIER RIVER					
Sevier at Hatch	120	293	Apr-July	--	41
Sevier nr Circleville	87	300	Apr-July	--	29
Sevier nr Kingston	70	304	Apr-July	--	23
Antimony Crk nr Antimony	180	261	Apr-July	--	6.9
East Fork Sevier nr Kingston/	40	263	Apr-July	--	15.2
Sevier below Piute Dam	105	291	Apr-July	--	36
Clear Crk nr Sevier (abv Div)	40	225	Apr-July	--	17.8
Sigurd to Gunnison	70	269	Apr-July	--	--
Kingston to Vermillion Dam	140	250	Apr-June	--	56
Vermillion Dam to Gunnison	85	271	Mar-June	--	35
Salina Creek at Salina	25	225	Apr-June	--	11.1
Sevier nr Gunnison	135	270	Apr-July	--	50
Chalk Creek nr Fillmore	50	307	Apr-July	--	16.3
Chicken Creek nr Levan	9.6	310	Apr-July	6.0	3.1
Oak Cr. nr Oak City	3.6	257	Apr-July	1.9	1.4
Ephraim Creek nr Ephraim	33	228	Apr-July	--	14.5
Pleasant Crk nr Mt. Pleasant	18.5	220	Apr-July	--	8.4
Salt Creek nr. Nephi	26	213	Apr-July	--	12.2
Beaver nr Beaver	53	266	Apr-July	31	20
North Creek (Combined)	33	241	Apr-July	--	13.7 ^b
Minersville Inflow	34	515	Apr-June	--	6.6

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average †
SEVIER RIVER	Gunnison	18.2	15.7	18.2	16.5
	Otter Creek	52.5	50.2	50.7	37.3
	Piute	71.8	58.0	65.9	49.9
	Sevier Bridge	236.0	232.0	234.0	146.8
BEAVER RIVER	Minersville (Rky Fd)	23.3	24.6	19.6	14.9

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average †
Big Flat	3/30	98	31.2	25.4	16.1
Bryce Canyon	3/29	37	12.4	5.4 ^a	3.1
Castle Valley	3/30	70	26.0	15.1	11.3
Duck Creek	3/29	80	25.4	16.0	11.5
Farnsworth Lake	3/29	83	25.9	26.0	19.5
Gooseberry R.S.	3/29	47	15.0	14.7	12.0
Harris Flat	3/29	50	17.4	9.7	6.5
Kimberly Mine	3/30	72	24.5	18.9	15.8

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Census Averaging	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER			
East Fork Sevier	3	149	211
South Fork Sevier	6	173	224
LOWER SEVIER	14	121	166
BEAVER RIVER	3	130	206
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 15 years e - Maximum mean daily peak flow + - 1963-77 15 year Average Period			

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Sevier River at Hatch	900-1300	418
Beaver River nr Beaver	520-780	211
Sevier River nr Kingston	700-900	263
Clear Creek nr Sevier	350-450	170
Salina Creek nr Salina	700-900	235

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average †
Long Valley Junction	3/29	18	5.3	0.4 ^e	2.7
Merchants Valley Upper	3/30	61	21.7	15.2	9.7 ^b
Midway Valley	3/30	121	44.8	24.0	20.1
Oak Creek	3/31	75	25.2	11.9	11.5 ^b
Otter Lake	3/30	81	25.6	19.8	12.3
Pickle Keg Springs	3/29	77	25.8	22.7	16.1 ^b
Pine Creek	3/31	78	30.8	18.8	15.2
Ree's Flat	3/31	68	24.1	17.1	12.2
Widtsie-Escalante #3	3/29	68	21.5	15.4	9.9

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICEFederal Bldg. - Room 4012
Salt Lake City, Utah 84138OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

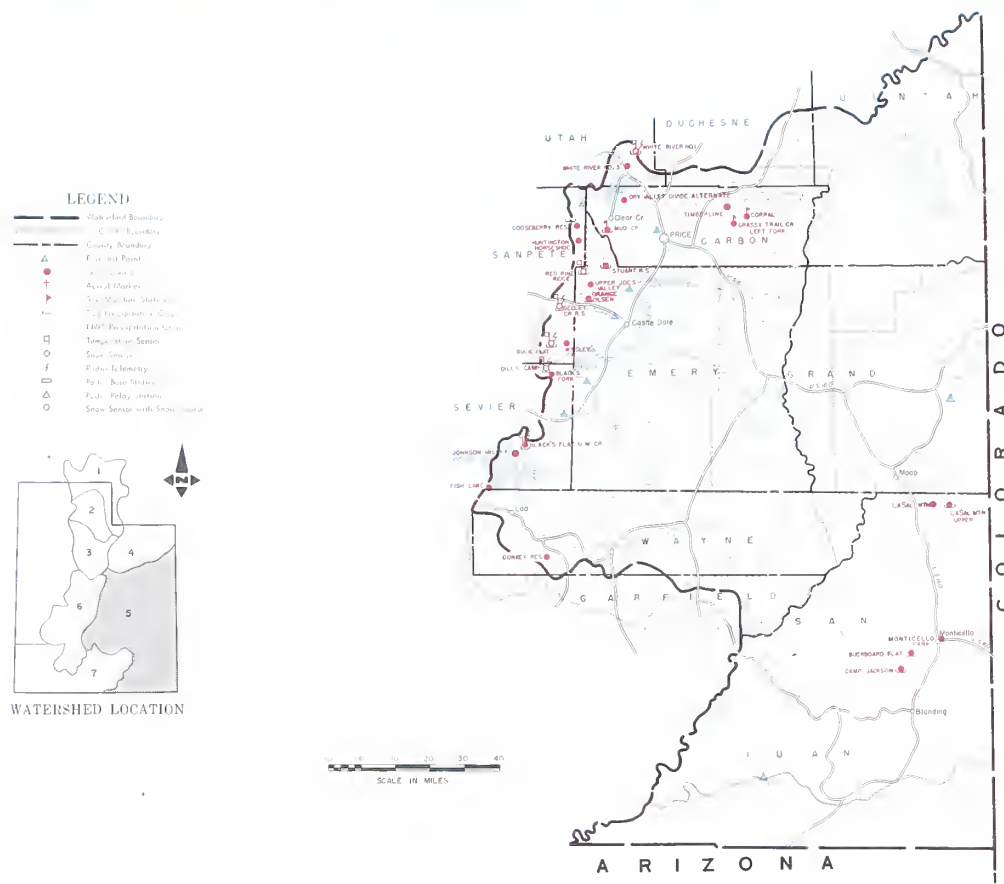
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS MUCH ABOVE AVERAGE

SNOW COVER increased almost three times normal for March at some sites and now ranges from 148% of the April 1 average on the Price River to 200% on the Blue Mountains. San Rafael drainages are 176%, Muddy 154%, Fremont 175% and LaSal Mountains 180% of the April average.

PRECIPITATION at mountain stations ranged from 175% of the March average at Red Pine Ridge to 343% at Camp Jackson above Blanding.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 106% for the Green River to 207% for the Muddy. Other forecasts in the area are as follows: Gooseberry Creek 163%, Scofield Inflow 183%, Price 188%, Huntington Creek 184%, Cottonwood Creek 177%, Ferron Creek 185%, Mill Creek 197%, Seven Mile Creek 136%, San Juan 129%, and Colorado 107% of the April-July average.

Peak flows are expected to be much higher than usual on most streams of the area and precautions should be taken to protect property near stream channels.

CARBON, EMERY, WAYNE, GRANO AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast Thousand Acres Feet	Percent of Average		Thousand Acres Feet	Average
PRICE RIVER					
Gooseberry Crk nr Scofield	16.5	163	Apr-July	--	10.1
Scofield Reservoir Inflow	65	183	Apr-July	--	36
Price nr Helner 1/	120	188	Apr-July	--	64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	85	184	Apr-July	--	49 ^b
Cottonwood Crk nr Orangeville	78	177	Apr-July	65	44 ^b
Ferron Creek nr Ferron	63	185	Apr-July	49	34
MUDDY CREEK					
Muddy Creek nr Emery	35	207	Apr-July	27	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	2900	107	Apr-July	--	2716
Green at Green River, UT	3145	106	Apr-July	--	2974
Mill Creek nr Moab	10.0	197	Apr-July	4.2	5.1 ^b
Navajo Reservoir Inflow	785	129	Apr-July	--	608
San Juan nr Bluff, UT	1120	129	Apr-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.7	136	Apr-July	7.2	6.4

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
PRICE RIVER	Scofield	65.8	38.3	37.1	36.8
SAN RAFAEL	Huntington North	3.9	3.7	3.3	3.6
	Joe's Valley	54.6	45.1	31.5	38.0
	Mill Site	16.7	16.7	7.4	--
SAN JUAN	Navajo	1696.0	1323.7	1231.0	--
	Kens Lake	2.3	0.9	0.7	--

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	3	92	148
SAN RAFAEL RIVER	7	113	176
FREMONT RIVER	4	115	175
LASAL MOUNTAINS	2	168	180
BLUE MOUNTAINS	2	210	200
MUDDY RIVER	2	88	154

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 15 years
e - Maximum mean daily peak flow
+ - 1963-77 15 year Average Period

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Ferron Creek near Ferron	670-980	422
Muddy Creek near Emery	240-370	154
Huntington Cr. near Huntington	900-1100	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
Buck Flat	3/29	84	26.8	28.2	15.4
Buckboard Flat	3/28	62	19.6	11.0	11.7
Camp Jackson	3/28	77	25.5	10.5	10.8
Ollis Camp	3/29	58	17.6	20.6	11.4
Ory Valley Divide Alternate	3/28	47	15.1	13.4	--
Huntington-Horseshoe	3/28	131	47.0	31.4	22.7
Mammoth-Cottonwood R.S.	3/28	97	33.6	28.8	20.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
Monticello City Park	3/29	0	0.0	0.0	--
Mud Creek	3/28	61	18.4	20.0	12.3
Red Pine Ridge	3/28	78	24.0	23.7	16.5
Seeley Creek	3/28	81	26.6	20.4	16.0
White River #1	3/28	58	17.8	18.3	12.8
White River #3	3/28	31	10.0	12.0	6.1

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICEFederal Bldg. - Room 4012
Salt Lake City, Utah 84138OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

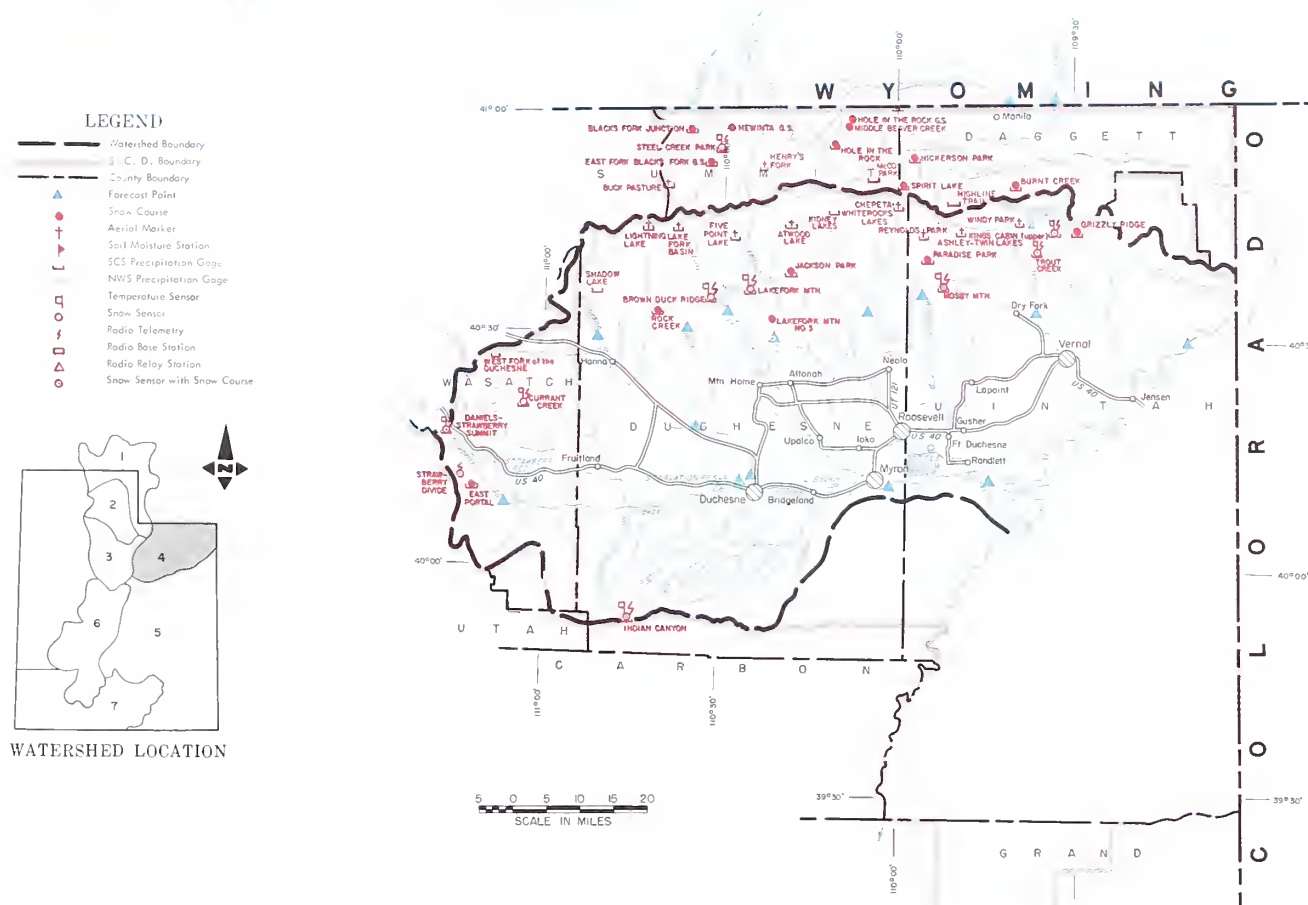
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 110% of the April 1 average on Black's Fork to 183% on the Uintah-Whiterocks. Strawberry River is 148%, Lakefork-Yellowstone 160% and Ashley Creek 161% of average after much above average increases during March.

PRECIPITATION at mountain stations ranged from 133% at East Portal-Strawberry Reservoir to 417% at Hickerson Park. Most other stations received twice normal or better during March.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS raised 12 to 39% after heavier than average increases to the snow pack during March and now range from 112% of the April-July average for Black's Fork to 161% for the Strawberry at Duchesne. Other forecasts are as follows: Duchesne near Tabiona 139%, at Duchesne 135% and Myton 154%. Currant Creek is forecast 137%, Rock Creek 132%, Lakefork 129%, Yellowstone 140%, Uintah 155%, Whiterocks 149%, Henrys Fork 134% and Ashley Creek 154% of the April-July average.

Water users in this area are expected to have above average water supplies this year. Peak flows are expected to be higher than usual and precautions should be taken to protect property near stream channels.

UINTAH BASIN AND DAGGETT SCU'S IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast	Percent of Average		THOUSAND ACRES FEET	
	Thousand Acre Feet			Last Year	Average
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	149	139	Apr-July	170	107
Duchesne at Duchesne 1/	261	135	Apr-July	264	193
Strawberry at Duchesne	92	161	Apr-July	91	57
Rock Creek nr Mtn. Home	125	132	Apr-July	112	95
Current Creek nr Fruitland	28	137	Apr-July	32	20
Lakefork below Moon Lake 1/	93	129	Apr-July	79	72
Yellowstone nr Altonah	94	140	Apr-July	74	67
Duchesne at Myton 1/	323	154	Apr-July	275	210
Whiterocks nr Whiterock	89	149	Apr-July	62	60
Uintah nr Neola	138	155	Apr-July	90	89
Duchesne at Randlett 1/	417	157	Apr-July	336	266
West Fork Duchesne at Hanna	37	142	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	72	134	Apr-Sept	38	54
Black's Fork at Millburne	103	112	Apr-July	95	92
Flaming Gorge Inflow 1/			Apr-July	--	1292
Ashley Creek nr Vernal	79	154	Apr-July	50	51

SUMMARY OF SNOW MEASUREMENTS

DRAINAGE BASIN and/or SUBSTATION	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	12	105	159
LAKEFORK-YELLOWSTONE CREEKS	4	109	160
STRAWBERRY RIVER	5	98	148
UINTAH - WHITEROCKS RIVERS	3	115	183
ASHLEY CREEK	1	118	161
BLACK'S FORK	4	83	110
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 15 years c - Maximum mean daily peak flow d - 1963-77 15 year Average Period			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	Reservoir	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average
ASHLEY CREEK	Steinaker	33.3	30.6	24.4	23.4
GREEN RIVER	Flaming Gorge	3749.0	3173.8	2662.0	--
LAKE FORK	Moon Lake	35.8	31.9	20.5	19.6
STRAWBERRY	Starvation	165.3	117.0	139.1	127.6
UINTAH	Bottle Hollow	11.3	11.1	11.1	10.6

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Strawberry at Duchesne	1060-1480	656
Ashley Creek nr Vernal	1020-1520	1030

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Snow Content (Inches)	Last Year	Average
Brown Duck Ridge	3/29	86	26.2	26.3	17.4 ^a
Current Creek	3/27	42	14.3	12.6	7.7
Daniels-Strawberry	3/27	58	18.2	20.1	13.7
Hewinta G. S.	3/28	44	10.8	12.5	9.4
Hickerson Park	3/28	43	10.0	7.5	5.9 ^b
Hole-In-The-Rock	4/1	40	8.6	6.5 ^a	5.0
Jackson Park	3/29	71	20.2	16.8	11.5 ^b
Kings Cabin Upper	3/29	60	15.8	13.4	9.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Snow Content (Inches)	Last Year	Average
Lakefork Mountain	3/29	59	16.5	14.7	10.6
Mosby Mountain	3/29	62	16.4	13.3	8.6
Paradise Park	3/29	77	21.9	20.6	11.8
Rock Creek Ranch	3/29	37	10.5	8.6	5.8
Spirit Lake	3/28	65	18.4	17.0	12.1
Steel Creek Park	3/28	70	18.5	20.6	15.6
Strawberry Divide	3/30	69	22.8	26.0	18.5
Trout Creek	3/29	64	17.8	13.0	--

UNITED STATES DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 Federal Bldg. - Room 4012
 Salt Lake City, Utah 84138
 OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
 U. S. DEPARTMENT OF
 AGRICULTURE
 AGR-101



FIRST CLASS MAIL

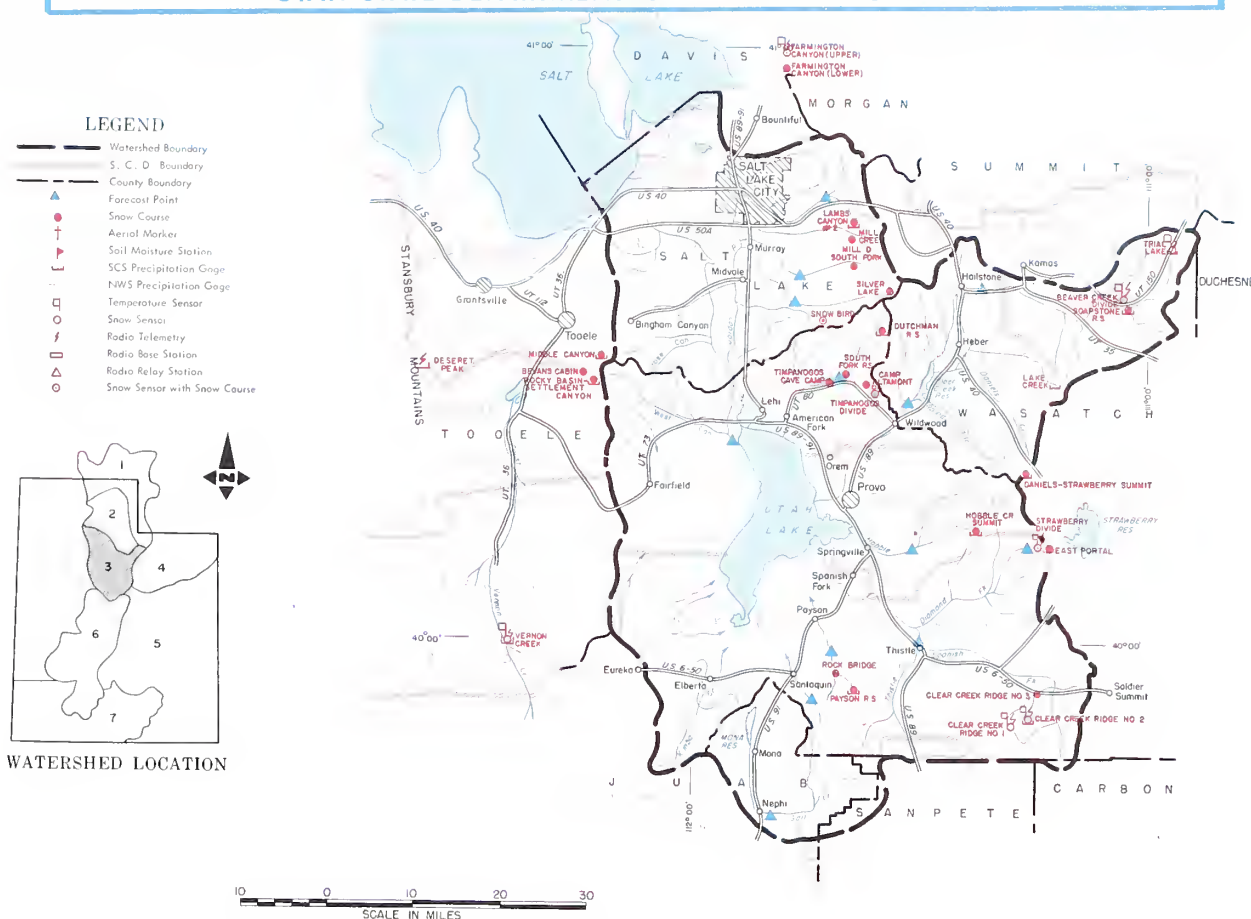


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



SNOW COVER ranges from 124% of the April 1 average for Jordan River and Salt Lake Front to 159% for Tooele Valley. Provo River and Utah Lake are now 148% of average. These areas increased 10 to 36% in percent of average during March.

PRECIPITATION at mountain stations ranged from 174% of the March average at Payson Ranger Station to 265% at Dutchman Ranger Station. Most other areas were twice average or better.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with Strawberry almost full and Utah Lake 2.40 feet above compromise and releasing as much as possible down the Jordan River.

STREAMFLOW FORECASTS range from 137% of the April-July average for Little Cottonwood to 300% for Vernon Creek. Other forecasts are as follows: Provo near Hailstone 142%, below Deer Creek Dam 154%, and Utah Lake Inflow 143%. Payson Creek is forecast 159%, Spanish Fork 167%, Hobbie Creek 152% and American Fork 153%. Big Cottonwood is forecast 153%, Mill Creek 159%, Parleys Creek 182%, Emigration 175% and City Creek 175%. South Willow is forecast 166% near Grantsville and Settlement Creek 222% near Tooele.

Peak flows are expected to be higher than usual and precautions are already being taken to protect property near stream channels.

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PERIOD	PAST RECORD	
	FORECAST Thousand Acres Feet	PERCENT OF AVERAGE		THOUSAND ACRES FEET Last Year	Average
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	145	142	Apr-July	153	102
Provo below Deer Creek Dam 1/	185	154	Apr-July	--	120
American Fork nr American Fork	48	153	Apr-July	--	31
Hobble Creek nr Springville	30	152	Apr-July	--	19.7 ^b
Strawberry Reservoir Inflow 1/	77	148	Apr-July	95	52
Spanish Fork at Thistle	65	167	Apr-July	--	39 ^b
Payson Creek nr Payson	10.0	159	Apr-July	--	6.3
Utah Lake Inflow	350	143	Apr-July	--	244
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	52	137	Apr-July	--	38
Big Cottonwood nr SLC	58	153	Apr-July	--	38
Parley's Creek nr SLC	28	182	Apr-July	--	15.4
Mill Creek nr SLC	10.0	159	Apr-July	--	6.3
Emigration Creek nr SLC	7.0	175	Apr-July	--	4.0
City Creek nr SLC	14.0	175	Apr-July	--	8.0
TOOELE VALLEY					
Settlement Crk nr Tooele	5.1	222	Apr-July	--	2.3
S. Willow Crk nr Grantsville	4.8	166	Apr-July	4.2	2.9
Vernon Creek nr Vernon	2.1	300	Apr-June	1.6	0.7

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	12	92	148
JORDON RIVER & SALT LAKE	2	84	124
TOOELE VALLEY	4	138	159

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 15 years
+ - 1963-77 15 year average period
e - Maximum daily peak flow

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average
SPANISH FORK	Strawberry	270.0	256.8	182.0	156.9
UTAH LAKE	Utah Lake	883.9	1134.0	883.9	752.0
	Settlement Creek	1.2	0.9	0.6	--
	Vernon Creek	0.6	0.4	0.5	--
PROVO	Deer Creek	149.7	112.3	115.0	108.7

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Big Cottonwood nr Salt Lake City	350-600	210
Little Cottonwood nr Salt Lake City	700-900	482
Provo Near Hailstone	500-600	310

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
NAME					
Bevans Cabin	3/26	56	15.3	12.2	11.5
Camp Altamont	3/31	62	25.0	27.2	13.4
Clear Creek #1	3/28	74	24.3	24.8	18.2
Clear Creek #2	3/28	60	17.4	20.0	13.6
Clear Creek #3	3/28	26	8.7	8.6	5.2
Daniels-Strawberry Summit	3/27	58	18.2	20.1	13.7
Deseret Peak	3/30	112	39.9	44.8 ^e	--
Dutchman R.S.	3/31	78	25.6	28.4	15.4
Hobble Creek Summit	3/27	58	19.7	19.4	12.9
Lambs Canyon #2	3/29	62	19.8	23.1	--
Middle Canyon	3/26	75	18.2	14.2	14.1
Mill Creek	3/30	78	24.1	26.8	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
NAME					
Mill D South Fork	3/30	74	24.6	28.4	19.9
Parley's Canyon Summit	3/29	74	21.4	23.9	18.5
Payson R.S.	3/31	83	27.9	24.7	18.4
Rocky Basin-Settlement Canyon	3/30	131	46.0	36.0	27.1
Silver Lake Brighton	3/30	92	31.0	38.0	24.9
Soapstone R.S.	3/29	41	11.9	16.2	11.6
South Fork R.S.	3/28	50	17.1	9.6	3.2
Timpanogos Divide	3/31	91	34.2	38.6	23.5
Trial Lake	3/29	83	26.8	35.5	23.5
Vernon Creek	3/26	64	22.2	11.5	11.2 ^a

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL



"The Conservation of Water begins with the Snow Survey"

SNOW

PRECIPITATION (Inches)

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)			FROM APPROX. OCT. 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track	3/30	0	0.0	0.0	--						
Big Flat	3/30	98	31.2	25.4	16.1	3/30	9.27	3.00	25.26	15.53	163
Merchant's Valley (upper)	3/30	61	21.7	15.2	9.7 ^b	3/30	7.14	2.96 ^b	23.79	14.25	167
Otter Lake	3/30	81	25.6	19.8	12.3						
PAROWAN CREEK											
Birch Crossing	3/29	36	11.7	10.5	5.3 ^b						
Brian Head	3/30	99	34.3	24.6	19.9 ^b						
Tall Poles	3/29	70	27.7	18.3	13.8 ^b	3/29	6.60	3.02 ^b	20.95	14.89 ^b	141
Yankee Reservoir	3/30	53	17.9	11.4	9.0	3/30	5.65	2.73 ^b	17.36	12.13	143
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	3/30	5	1.6	0.8	2.0	3/30	10.74	2.16	25.10	14.49	173
Long Flat	3/30	46	18.3	6.4	5.5	3/30	9.22	2.40	18.79	11.63	162
COAL CREEK											
Cedar City Golf Course	3/30	0	0.0	0.0	--						
SUSC Ranch	3/29	57	24.0	8.3	6.1 ^b						
ESCALANTE RIVER											
Widtsoe-Escalante #3	3/29	68	21.5	15.4	9.9	3/29	9.78	2.40	19.24	12.07	159
VIRGIN RIVER											
Kolob-Crystal	3/30	112	44.9	24.0	21.8 ^a	4/1	10.80 ^a	--	36.70 ^a	--	--
Long Valley Junction	3/29	18	5.3	0.4 ^e	2.7						
Webster Flat	3/30	98	38.2	18.6	15.7	3/30	10.94	4.00	32.00	19.15	167
a - Partly Estimated											
b -- Average of past record in average period - less than 15 years											
+ - 1963-77 15 year average period											
(A) - Aerial Marker Reading											

a - Partly Estimated
b -- Average of past record in average period - less than 15 years
+ - 1963-77 15 year average period
(A) - Aerial Marker Reading

SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
PRICE RIVER											
Dry Valley Divide Alternate	3/28	47	15.1	13.4	--						
Mud Creek	3/28	61	18.4	20.0	12.3	3/28	6.08	2.56	--	14.25	--
White River #1	3/28	58	17.8	18.3	12.8	3/28	4.95	2.14	17.96	13.22	135
White River #3	3/28	31	10.0	12.0	6.1						
SAN RAFAEL RIVER											
Buck Flat	3/29	84	26.8	28.2	15.4	3/28	7.41	2.71	24.04	17.21	140
Huntington-Horseshoe	3/28	131	47.0	31.4	22.7						
Orange Olsen	3/28	26	8.0	7.5	--	3/28	3.03	1.01 ^b	12.28	7.40	166
Red Pine Ridge	3/28	78	24.0	23.7	16.5	3/28	6.18 ^a	3.54	24.18 ^a	19.79	122
Seeley Creek R.S.	3/28	81	26.6	22.4	16.0	3/28	5.31 ^a	--	18.01 ^a	--	--
Stuart R.S.	3/28	40	13.2	13.2	6.5	3/28	4.94	1.20 ^b	13.93	11.62	120
Upper Joe's Valley	3/28	51	15.0	14.6	9.5						
Wrigley Creek	3/29	60	18.0	17.4	10.1						
MUDDY RIVER											
Black's Fork	3/29	60	19.3	21.2	12.6						
Dill's Camp	3/29	58	17.6	20.6	11.4	3/29	5.78	2.30 ^b	20.58	14.40 ^b	143
FREMONT RIVER											
Black's Flat-U.M. Creek	3/29	51	15.9	15.3	10.4	3/29	4.49	2.46 ^b	13.48	12.10 ^b	111
Conkey Reservoir	3/29	35	10.0	10.0	6.9						
Fish Lake	3/29	48	16.0	11.3	7.0	3/29	3.89	1.68	11.60	9.18	126
Johnson Valley	3/29	40	11.3	9.6	6.1						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	3/28	62	19.6	11.0	11.7	3/28	6.25	2.96	23.25	18.14	128
Camp Jackson	3/28	77	25.5	10.5	10.8	3/28	8.60	2.51	27.20	16.78	162
LaSal Mountain (lower)	3/29	63	16.4	8.6	8.6						
LaSal Mountain (upper)	3/29	92	27.7	17.1	15.3	3/29	7.70	3.14	26.05	14.18	184
Monticello City Park	3/29	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	3/29	65	21.5	16.6	12.9	3/29	4.04	2.79	20.03	13.89	144
Bryce Canyon	3/29	37	12.4	5.4 ^a	3.1						
Castle Valley	3/30	70	26.0	15.1	11.3	3/30	9.12	2.77	24.88	13.89	179
Duck Creek R.S.	3/29	80	25.4	16.0	11.5	3/29	11.29	3.28 ^b	34.28	16.53	207
Farview											
Harris Flat	3/29	50	17.4	9.7	6.5	4/1	5.20 ^a	--	18.10 ^a	--	--
Kimberly Mine	3/30	72	24.5	18.9	15.8	3/31	8.39	3.79 ^b	26.99	18.17	148
Midway Valley	3/30	121	44.8	24.0	20.1	3/30	14.10 ^a	3.71 ^b	43.10 ^a	19.17 ^b	225
Panguitch Lake	3/30	41	14.2	4.4	2.9	3.30	5.00	1.38	15.31	7.89	194
Squaw Springs	3/29	44	13.8	10.0	6.6						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	3/28	50	16.9	14.6	10.6	3/28	6.26	2.41	21.28	13.07	163
Farnsworth Lake	3/29	83	25.9	26.0	19.5	3/29	8.38	4.33	24.57	19.56	126
G.B.R.C. Headquarters	3/28	78	24.4	20.7	15.8	3/28	8.21	4.08	26.00	18.29	142
G.B.R.C. Majors	--	--	--	3.8 ^a	--	--	--	1.56 ^b	--	8.51	--
G.B.R.C. Meadows	3/28	111	36.6	34.2	22.4	3/28	10.07	4.10	28.57	21.67	132
G.B.R.C. Oaks						--	--	2.17	--	11.87	--
Gooseberry Reservoir	3/28					3/28	8.65	3.60	27.15	21.71	125
Gooseberry R.S.	3/29	47	15.0	14.7	12.0	3/29	6.18	3.04 ^b	17.80	12.91 ^b	138
Mammoth-Cottonwood Creek	3/28	97	33.6	29.2	20.3	3/28	5.75 ^a	--	16.90 ^a	--	--
Middle Fork	3/29	120	39.7	31.6	23.4						
Mt. Baldy R.S.	3/28	113	36.4	34.7	21.8	3/28	8.16 ^a	3.14	22.25	16.90	132
Oak Creek	3/31	75	25.2	11.9	11.5 ^b	3/31	8.71	--	22.01	13.78 ^b	160
Pickle Keg Springs	3/29	77	25.8	22.7	16.1 ^b	4/1	8.00 ^a	--	28.44 ^a	--	--
Pine Creek	3/31	78	30.8	18.8	15.2	3/31	9.89	4.94	30.33	23.47	129
Ree's Flat	3/31	68	24.1	17.1	12.2	3/31	7.39	--	24.28	--	--
Shingle Mill	3/28	47	14.1	9.4	8.4	3/28	6.24	3.10	22.76	15.68	145
Thistle Flat	3/29	76	24.9	22.2	15.9						

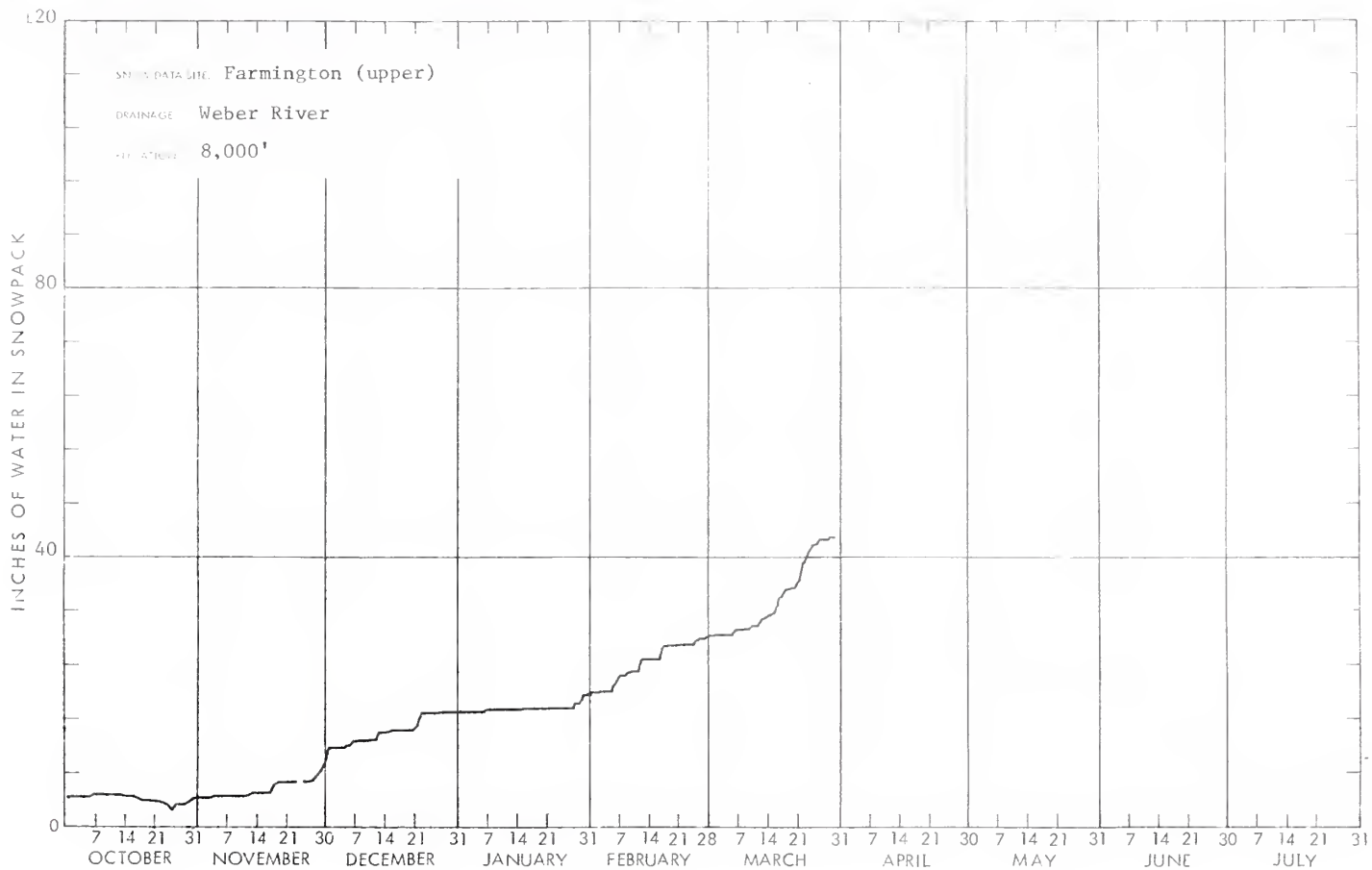
SNOW

PRECIPITATION (Inches)

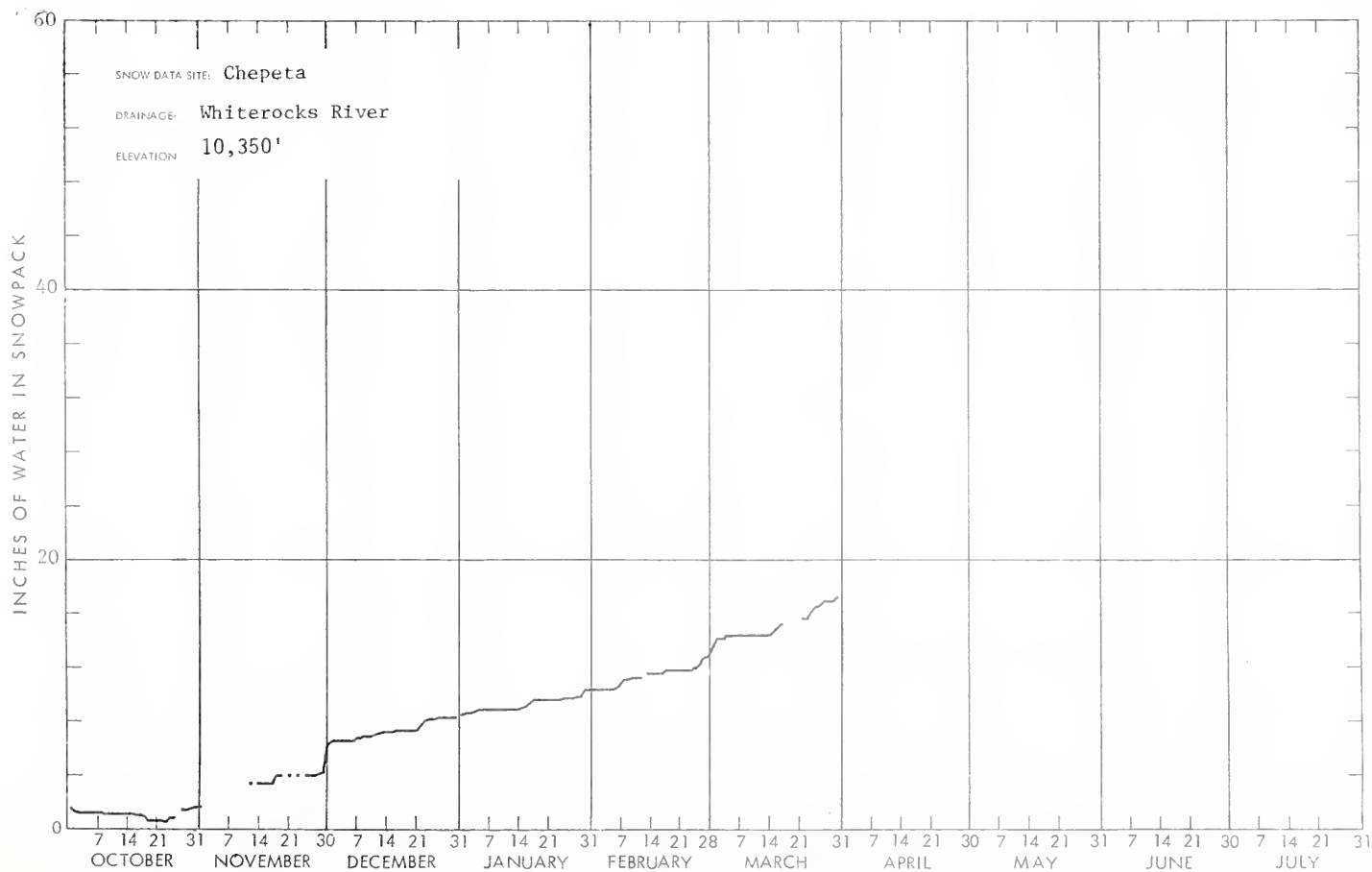
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)			FROM APPROX OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
NAME											
GREAT BASIN CONT.											
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	3/29	46	13.2	16.0	10.8 ^a	3/29	6.37 ^a	--	20.67 ^a	--	--
Camp Altamont	3/31	62	25.0	27.2	13.4						
Clear Creek Ridge #1	3/28	74	24.3	24.8	18.2	3/28	7.00 ^a	5.40 ^b	23.80 ^a	21.20 ^b	112
Clear Creek Ridge #2	3/28	60	17.4	20.0	13.6	3/28	5.86	2.71 ^b	20.20	16.06 ^b	125
Clear Creek Ridge #3	3/28	26	8.7	8.6	5.2						
Dutchman R.S.	3/31	78	25.6	28.4	15.4	3/31	8.15	3.07 ^b	28.11 ^a	20.82	135
Hobble Creek Summit	3/27	58	19.7	19.1	12.9	3/27	6.07	2.70	23.41	17.19	136
Payson R.S.	3/31	83	27.9	24.7	18.4	3/31	5.05	2.90	21.47	17.95	120
Soapstone R.S.	3/29	41	11.9	16.2	11.6	3/29	4.74	2.40	17.63	16.22	109
South Fork R.S.	3/28	50	17.1	9.6	3.2						
Timpanogos Cave Camp	3/28	5	1.3	1.2	0.6						
Timpanogos Divide	3/31	91	34.2	38.6	23.5	3./31	8.45	3.36	33.90	25.09	135
Trial Lake	3/29	83	26.8	35.5	23.5	3/29	7.13	3.77	27.75	23.84	116
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin	3/26	56	15.3	--	11.5						
Deseret Peak	3/30	112	39.9	--	--						
Lamb's Canyon #2	3/29	62	19.8	23.1	--	3/29	5.47	--	18.47	--	--
Middle Canyon	3/26	75	18.2	14.2	14.1	3/26	8.00	3.39	--	15.92	--
Mill Creek	3/30	78	24.1	26.8	--						
Mill D South Fork	3/30	74	24.6	28.4	19.9						
Rocky Basin-Settlement	3/30	131	46.0	--	27.1	3/30	16.45 ^a	--	36.77	24.01 ^b	153
Silver Lake (Brighton)	3/30	92	31.0	28.1	24.9						
Snow Bird (Gad Valley)					--						
Vernon Creek	3/26	64	22.2	11.5	11.2 ^a	3/26	5.95	2.51 ^b	25.55	15.27	167
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)											
Black's Fork G.S.-East Fork	3/28	40	9.9	12.5	9.0	3/28	3.78	2.43	12.52	11.94	105
Black's Fork Junction	3/28	38	8.9	11.4	9.2	3/28	3.06	2.25	--	11.62	--
Buck Pasture (A)											
Burnt Creek	3/30	26	7.4	5.6	--	3/30	3.80	1.51 ^b	10.80	8.83 ^b	122
Grizzly Ridge	3/30	58	15.2	10.4	--	3/30	5.25	2.23 ^b	19.00	12.78	149
Henrys Fork (A)											
Hewinta G.S.	3/28	44	10.8	12.5	9.4	3/28	4.29	2.50	13.90	12.56	111
Hickerson Park	3/28	43	10.0	7.5	5.9 ^b	3/28	7.34	1.76 ^b	14.59	9.41 ^b	155
Hole-in-the-Rock	4/4	40	8.6	6.5 ^a	5.0						
Hole-in-the-Rock G.S.	4/.4	33	6.6	1.4 ^a	1.4						
King's Cabin (upper)	3/29	60	15.8	13.4	9.8	3/29	4.53	1.90	15.37	11.14	138
Middle Beaver Creek	4/4	39	6.6	3.9	4.5						
Reynolds Park (A)											
Spirit Lake	3/28	65	18.4	17.0	12.1	3/28	6.07	2.57 ^b	18.05	13.61 ^b	133
Steel Creek Park	3/28	70	18.5	20.6	15.6	3/28	4.82	2.75 ^b	14.07	20.85 ^b	67
Trout Creek	3/29	64	17.8	13.0	--	3/29	5.70	--	17.17	--	--
DUCHESNE RIVER											
Atwood Lake (A)											
Brown Duck Ridge	3/29	86	26.2	26.3	17.4 ^a	3/29	5.59	3.41 ^b	19.63	20.70 ^b	95
Chepeta	3/28	71	20.0	17.6	--	3/28	5.50 ^a	--	17.90 ^a	--	--
Currant Creek	3/27	42	14.3	12.7	7.7	3/27	4.40	2.14 ^b	16.38	13.79 ^b	118
Daniels-Strawberry Summit	3/27	58	18.2	20.1	13.7	3/27	5.49	2.68	21.38	17.81	120
East Portal	3/30	51	17.2	18.0	10.9	3/30	3.35	2.51 ^b	20.15	16.73	120
Five Points Lake (A)											
Indian Canyon	3/27	68	20.3	17.7	12.0	3/27	5.23	1.91	18.71	12.78	154
Jackson Park	3/29	71	20.2	16.8	11.5 ^b	3/29	5.31	--	17.95	12.68	142
Lakefork Basin (A)											
Lakefork Mountain #1	3/29	59	16.5	14.7	10.6	3/29	4.49	2.08	16.02	12.62	127
Lakefork Mountain #3	3/29	32	8.9	8.2	5.3						
Lightning Lake (A)											
Mosby Mountain	3/29	62	16.4	13.3	8.6	3/29	5.37	1.47 ^b	17.89	12.00	149
Paradise Park	3/29	77	21.9	20.6	11.8	3/29	5.35	1.78 ^b	--	13.05	--
Rock Creek Ranch	3/29	37	10.5	8.6	5.8	3/29	3.63	--	15.26	11.04	138
Strawberry Divide	3/30	69	22.8	26.0	18.5	4/1	4.60 ^a	--	24.50 ^a	--	--

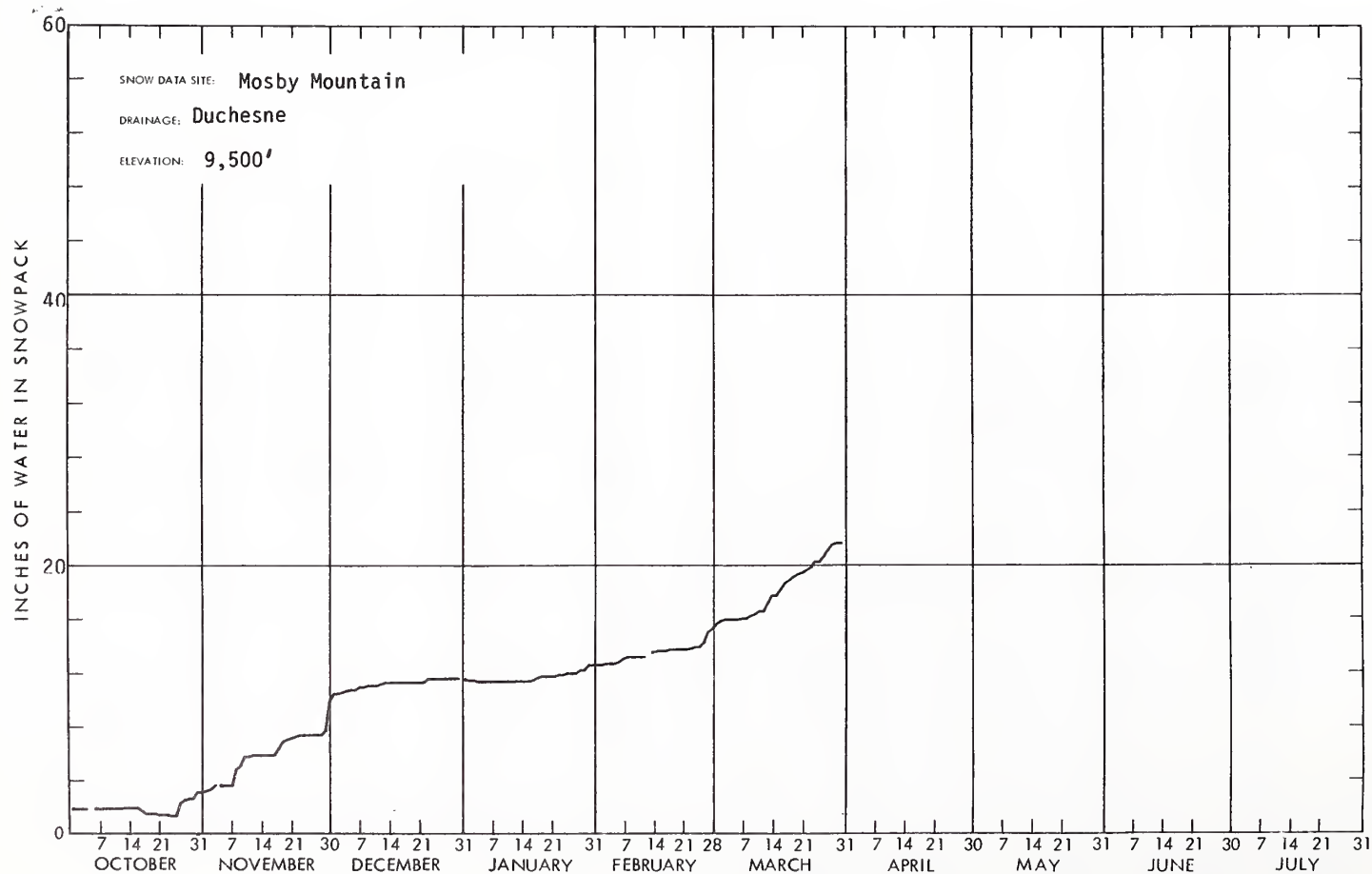
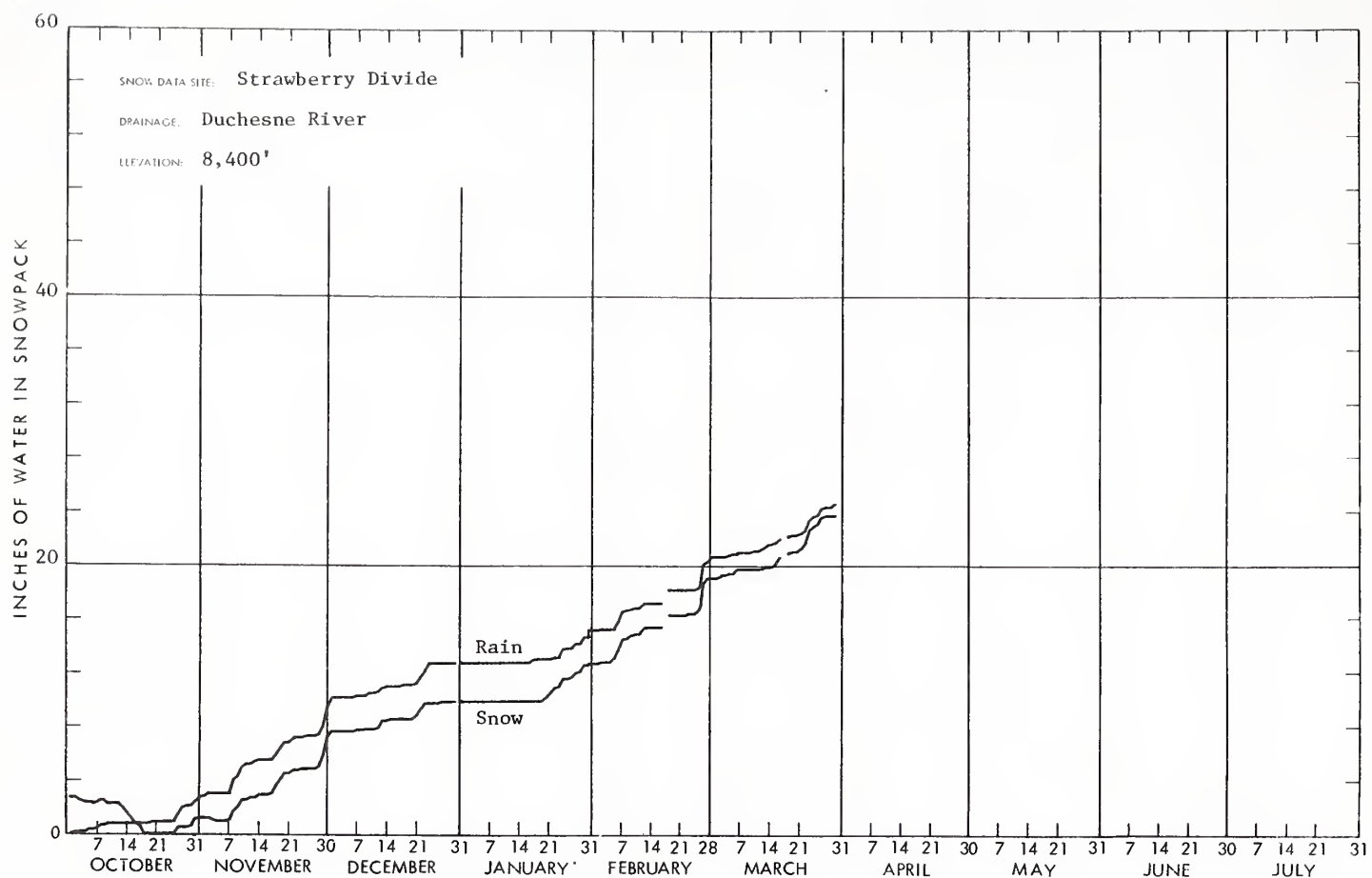
SNOW

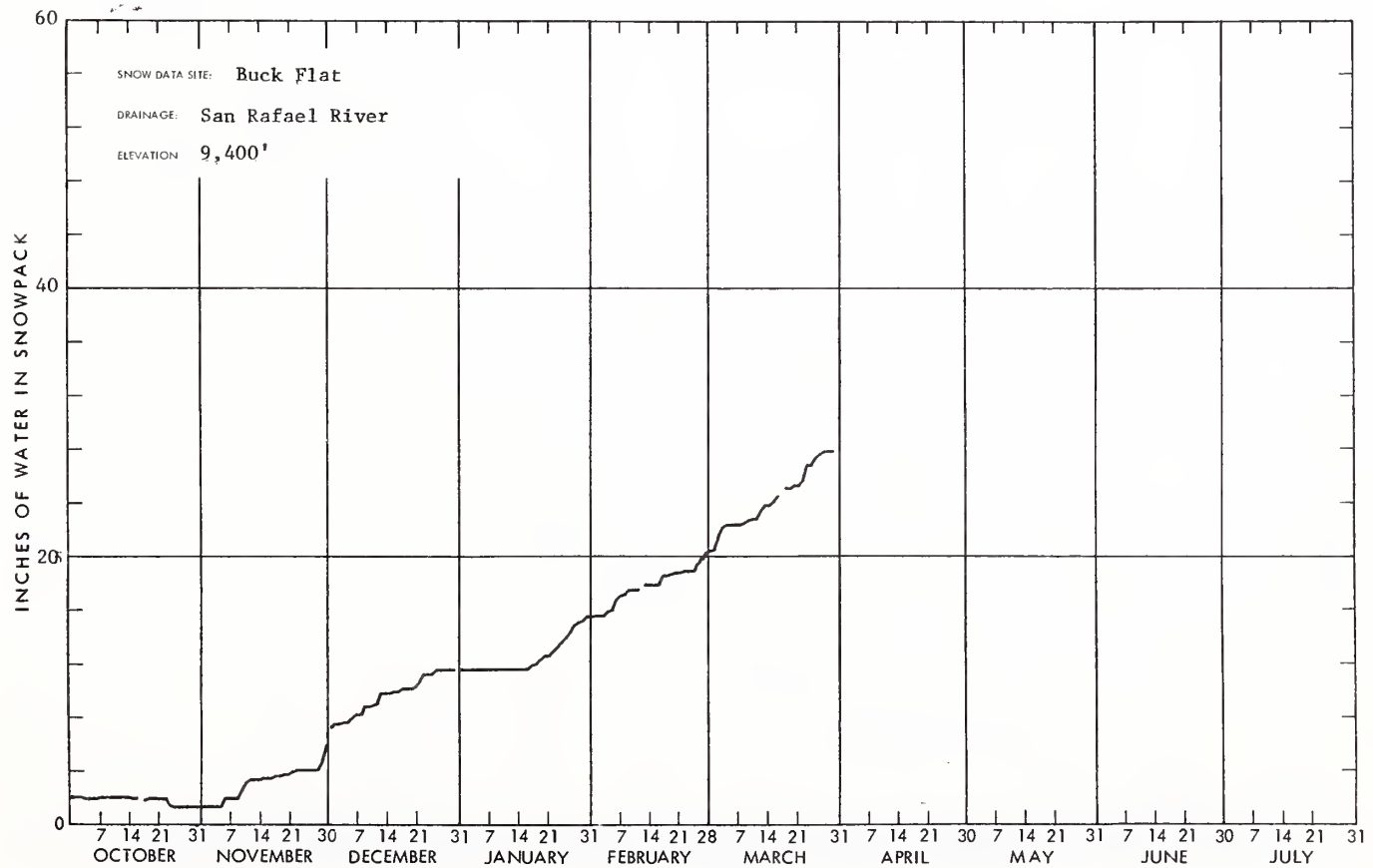
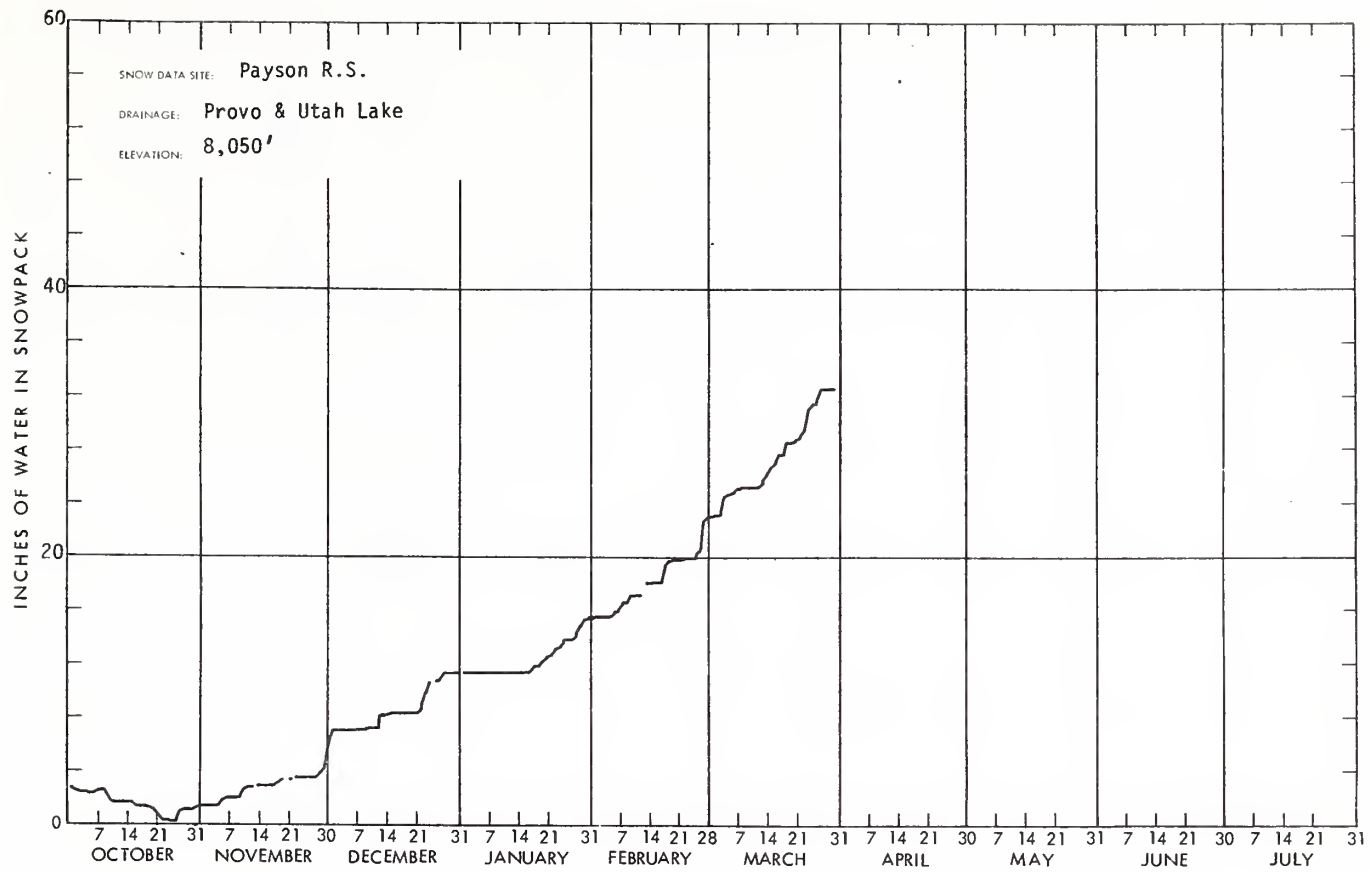
SNOW	THIS YEAR					PAST RECORD		PRECIPITATION (Inches)				
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME												
GREAT BASIN												
UPPER BEAR RIVER												
(Above Harer, Idaho)												
Burts-Miller Ranch	3/28	20	4.8	6.1	6.1	3/28	3.43	--	9.56	12.00 ^b	80	
CCC Camp	3/30	34	10.0	15.4	13.4							
Hayden Fork	3/28	54	14.4	20.0	15.9	3/28	11.30	--	21.62	20.06 ^b	108	
Monte Cristo R.S.	3/26	71	23.4	32.6	25.9	3/26	5.45	4.68	22.95	25.95	88	
Salt River Summit	3/30	47	14.0	21.4	16.9	3/30	3.31	2.97	15.41	17.23	89	
Stillwater Camp	3/28	40	10.0	13.1	11.3 ^b	3/28	3.65	--	13.17	12.39	106	
Lily Lake	3/28	57	14.4	19.1	--	3/28	4.68	--	15.08	--	--	
LOWER BEAR RIVER												
(Below Harer, Idaho)												
Bug Lake	3/26	53	15.8	28.9	20.7 ^a	3/26	3.43	--	13.88	--	--	
Christensen Ranch	3/27	21	7.4	10.9	7.6							
Cliff Canyon	3/27	63	24.3	14.6	--							
Cub River R.S.	3/27	17	5.3	10.2	6.9							
Daniels Creek	3/27	22	7.2	9.8	--							
Dry Basin	3/27	87	30.7	38.5	30.2							
Dry Creek Flat	3/27	18	6.2	9.3	5.3							
Emigrant Summit	3/31	78	26.1	36.7	26.0	3/31	4.50	--	27.40	--	--	
Emigration Canyon	3/31	29	9.8	16.4	11.1							
Franklin Basin	3/27	74	24.6	35.3	28.2	4/1	6.70 ^a	--	29.00 ^a	--	--	
Garden City Summit	3/26	54	15.9	24.0	18.5	3/26	3.68	3.43	17.98	19.23	93	
Horseshoe Basin	3/27	84	29.4	35.7	25.6							
Klondike Narrows	3/26	54	18.2	28.6	20.7	3/26	4.93	4.25 ^b	21.24	23.85 ^b	89	
Liberty Spring	3/27	111	40.8	57.6	39.8							
Little Bear (lower)	3/26	32	9.0	14.0	9.9							
Little Bear (upper)	3/26	41	10.8	16.1	12.9	3/26	6.01	2.91 ^b	26.12	18.13 ^b	144	
Lower Elkhorn	3/27	53	18.4	21.8	14.0 ^a							
Oxford Mountain	3/27	31	9.0	14.1	9.5 ^a							
Slug Creek Divide	3/31	48	14.7	22.3	18.0	3/31	2.90	--	18.90	--	--	
Steep Hollow #1	3/26	113	36.4	51.5	38.0							
Steep Hollow #2	3/26	78	26.5	36.2	27.0							
Strawberry Creek	3/31	25	9.2	12.7	10.2							
Strawberry Mink Divide	3/27	55	20.5	28.8	21.9							
Tony Grove Lake	3/26	93	31.1	49.8	35.0 ^a	3/26	6.44 ^a	4.16 ^b	29.58 ^a	--	--	
Tony Grove R.S.	3/26	30	10.4	17.6	11.9	3/26	3.70	2.85 ^b	16.43	--	--	
Upper Elkhorn	3/27	76	25.5	27.0	19.5 ^a							
Willow Flat	3/27	38	12.9	19.3	14.8	3/27	5.30	4.04	25.36	22.89	111	
Worm Creek	3/27	48	17.5	23.0	--							
UPPER RAFT RIVER												
Clear Creek Meadows	4/5	114	35.8	36.0	23.6							
George Peak	4/5	122	39.5	44.0	--							
One Mile Summit	4/5	35	7.9	9.2	7.6							
Vipont	4/5	63	19.8	22.0	15.1							
OGDEN RIVER												
Beaver Creek-Skunk Creek	3/26	34	11.7	17.1	12.0							
Ben Lomond Peak	3/26	131	45.0	51.0	34.1	--	--	6.17 ^b	--	47.13 ^b		
Ben Lomond Trail	3/26	65	23.6	24.9	16.2 ^b	3/26	10.28	3.76 ^b	45.71	28.74 ^b	159	
Causey Dam	3/26	0	0.0	0.0	--	3/26	3.34	2.31 ^b	13.03	14.22	92	
Dry Bread Pond	3/26	57	18.7	25.1	18.9	4/1	4.10 ^a	3.88 ^b	17.40 ^a	20.84	83	
Sagebrush Flat	3/26	4	1.0	4.8	2.0	3/26	3.31 ^a	2.28 ^b	11.66 ^a	14.35	81	
WEBER RIVER												
Beaver Creek R.S.	3/29	29	9.8	11.4	7.2							
Chalk Creek #1	3/28	85	24.1	31.3	22.4	3/28	6.50 ^a	3.40 ^b	24.90 ^a	17.70	141	
Chalk Creek #2	3/28	58	15.5	19.5	15.6	3/28	4.25 ^a	3.11 ^b	16.05 ^a	16.17 ^b	99	
Chalk Creek #3	3/28	28	7.8	9.7	7.5	3/28	3.87	2.68 ^b	14.13	13.94 ^b	101	
Farmington Canyon (lower)	3/26	113	35.1	27.9	22.4	3/26	11.17	5.23 ^b	--	27.63	--	
Farmington Canyon (upper)	3/26	139	45.1	40.4	30.8 ^b	3/26	10.00 ^a	--	40.43 ^a	--	--	
Farmington G.S.	3/26	92	27.6 ^a	30.7	--	3/26	9.65	5.49 ^b	--	29.01	--	
Hardscrabble	3/26	82	25.6	22.1	--							
Horse Ridge	3/26	63	20.8	30.2	21.9 ^b	3/26	5.03	4.24 ^b	23.21	23.64	98	
Kilfoil Creek	3/26	50	14.9	19.1	13.5 ^b							
Lost Creek Reservoir	3/26	0	0.0	4.4	2.0 ^b	3/26	1.17	1.81 ^b	9.37	10.97 ^b	85	
Park City Summit				47.8	--							
Parley's Canyon Summit	3/29	74	21.4	23.9	18.5	3/29	7.34	4.07	24.49	22.55	109	
Pine Canyon	3/26	61	19.5	23.0	--							
Redden Mine (lower)	3/28	69	21.3	22.9	18.0	3/28	5.55	--	20.83	--	--	
Smith & Morehouse	3/28	47	13.8	16.3	12.9	3/28	4.31	3.04	17.77	17.75	100	
Sargeant Lake (A)												

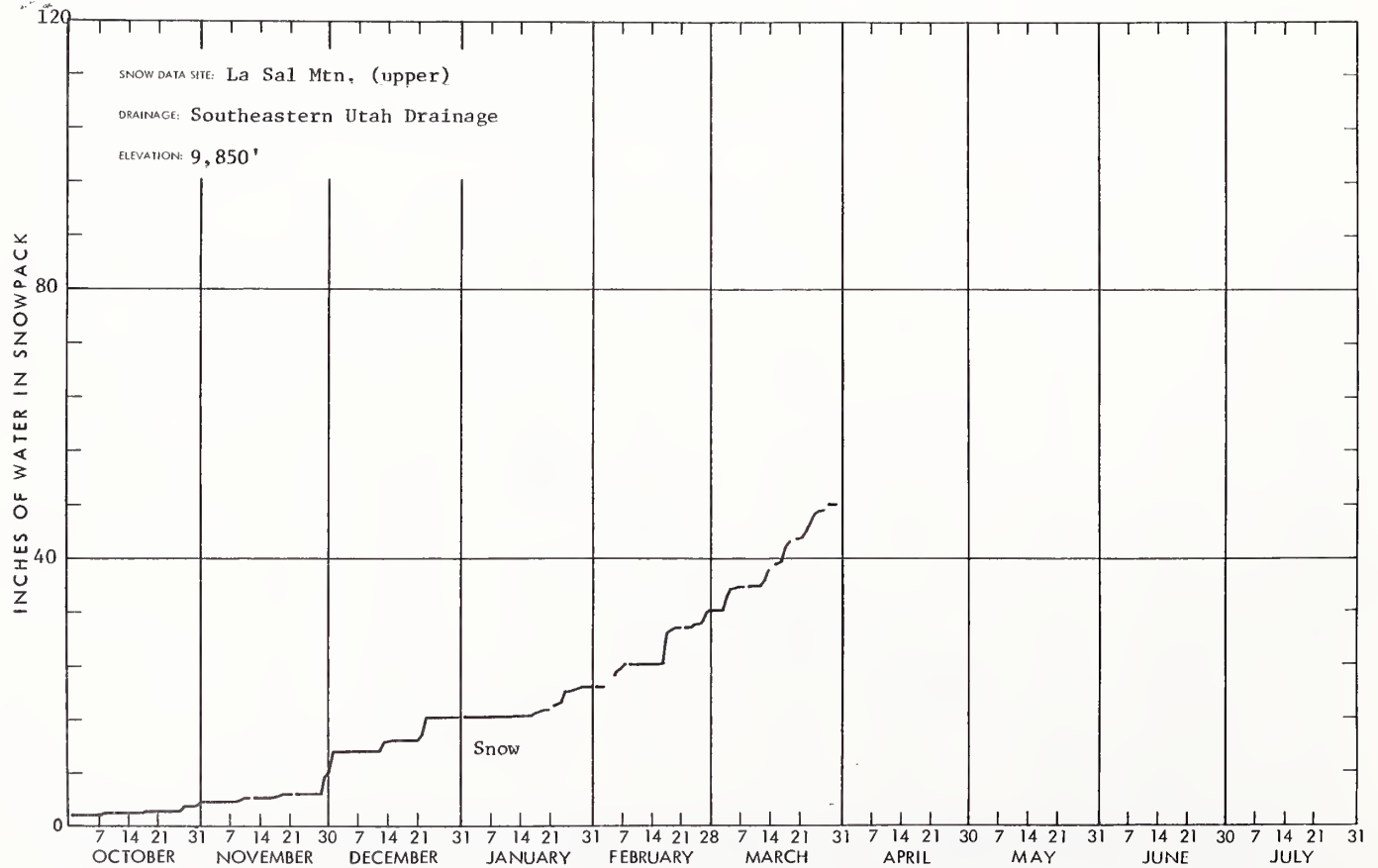
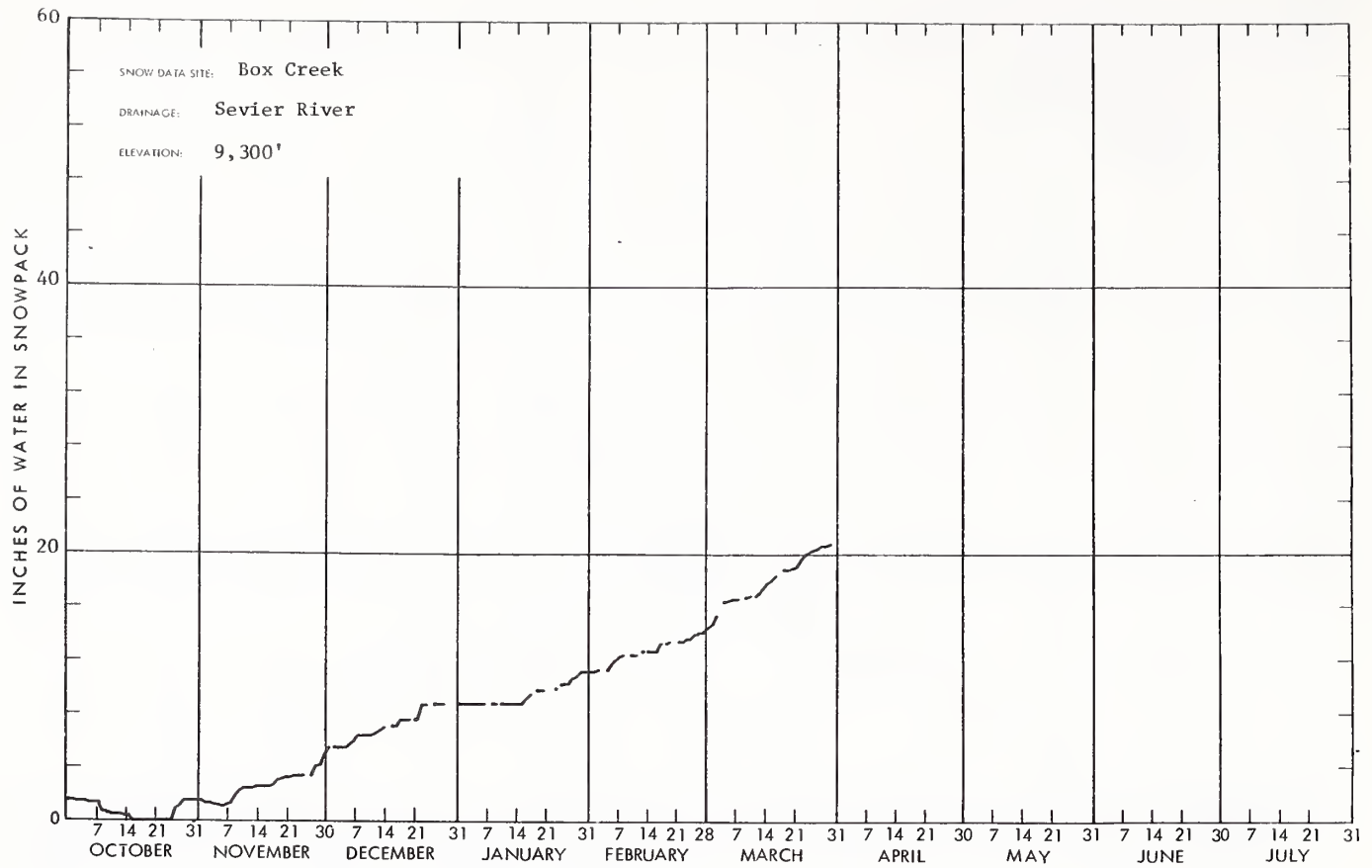


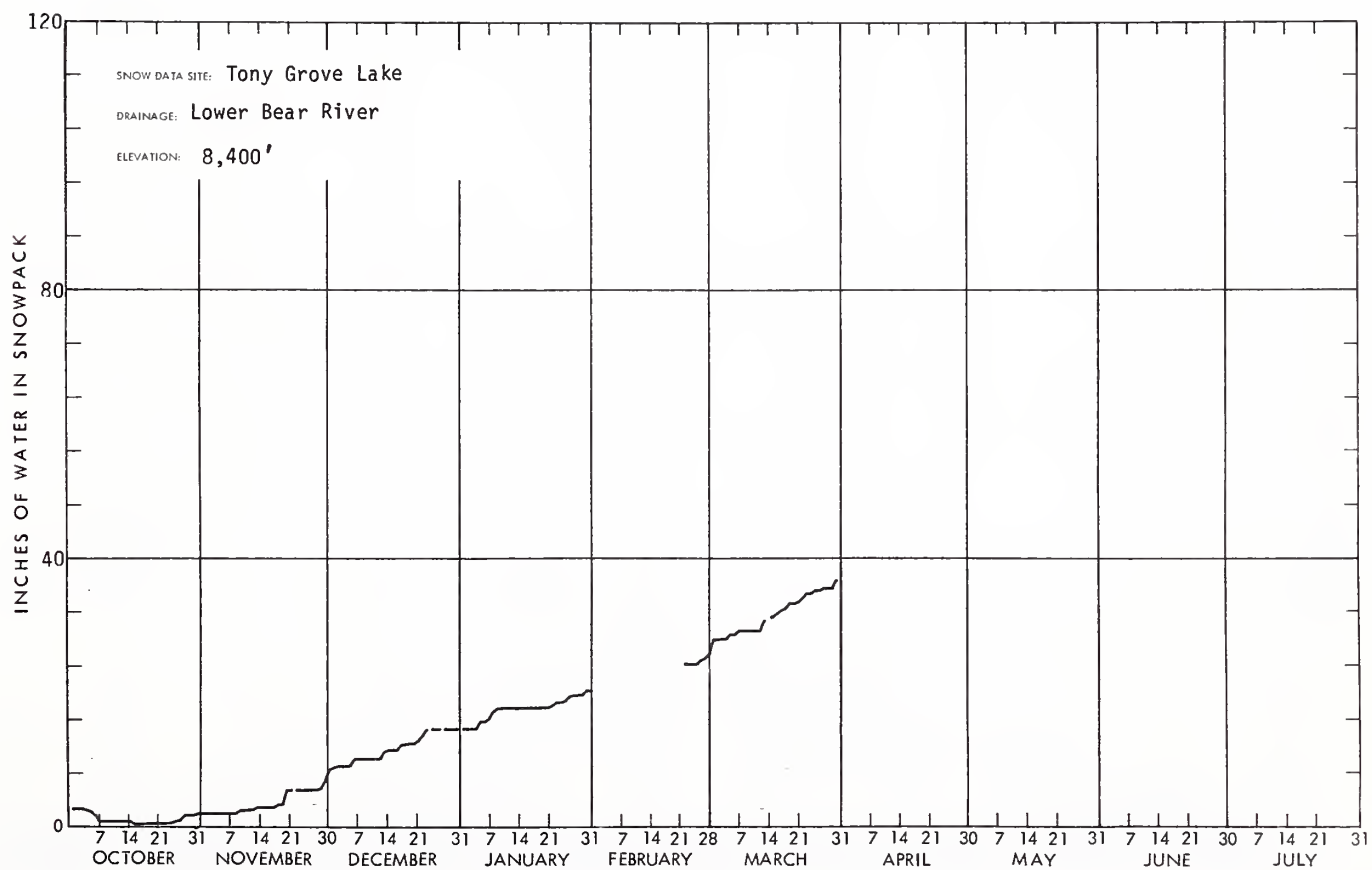
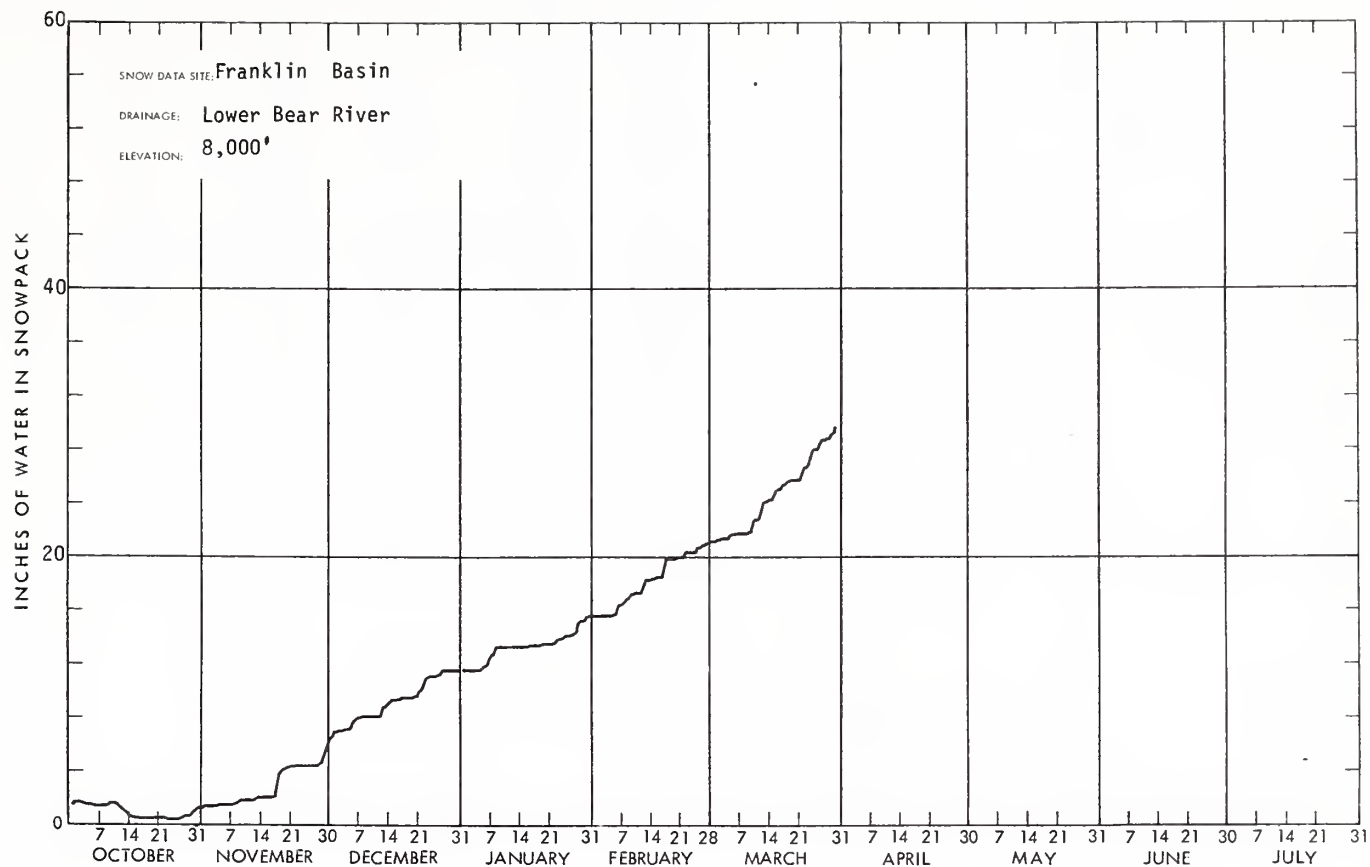
WSFB-13A

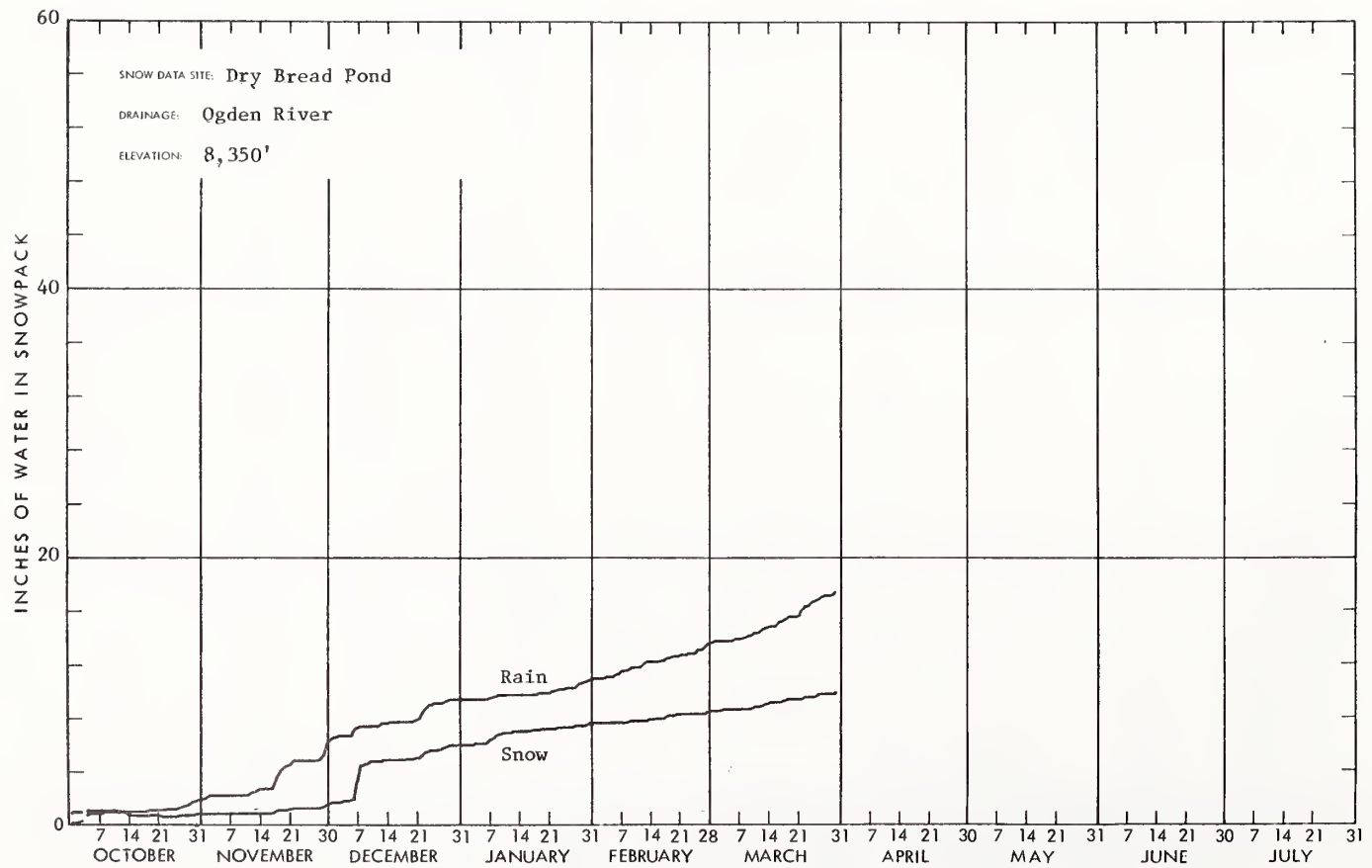
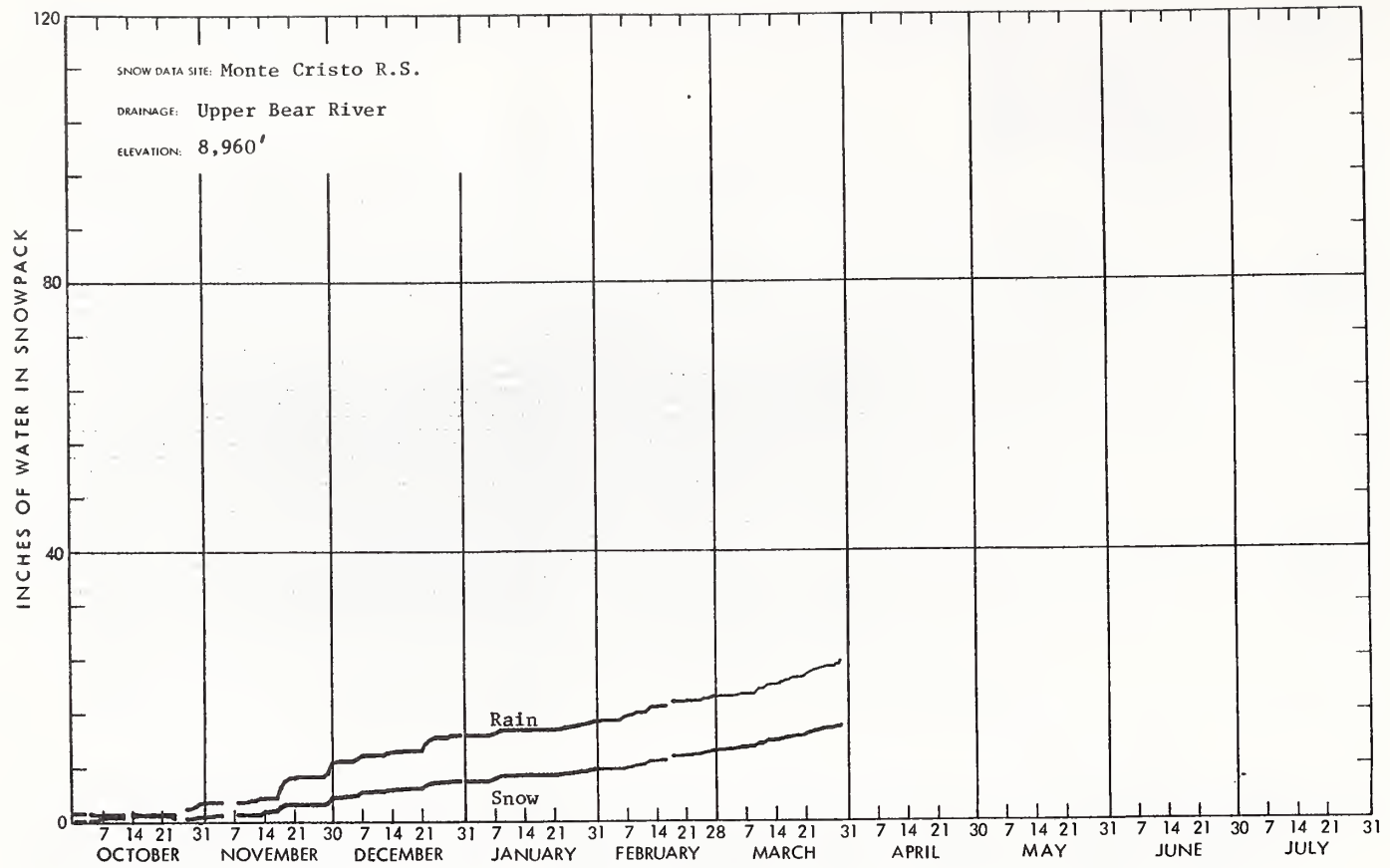


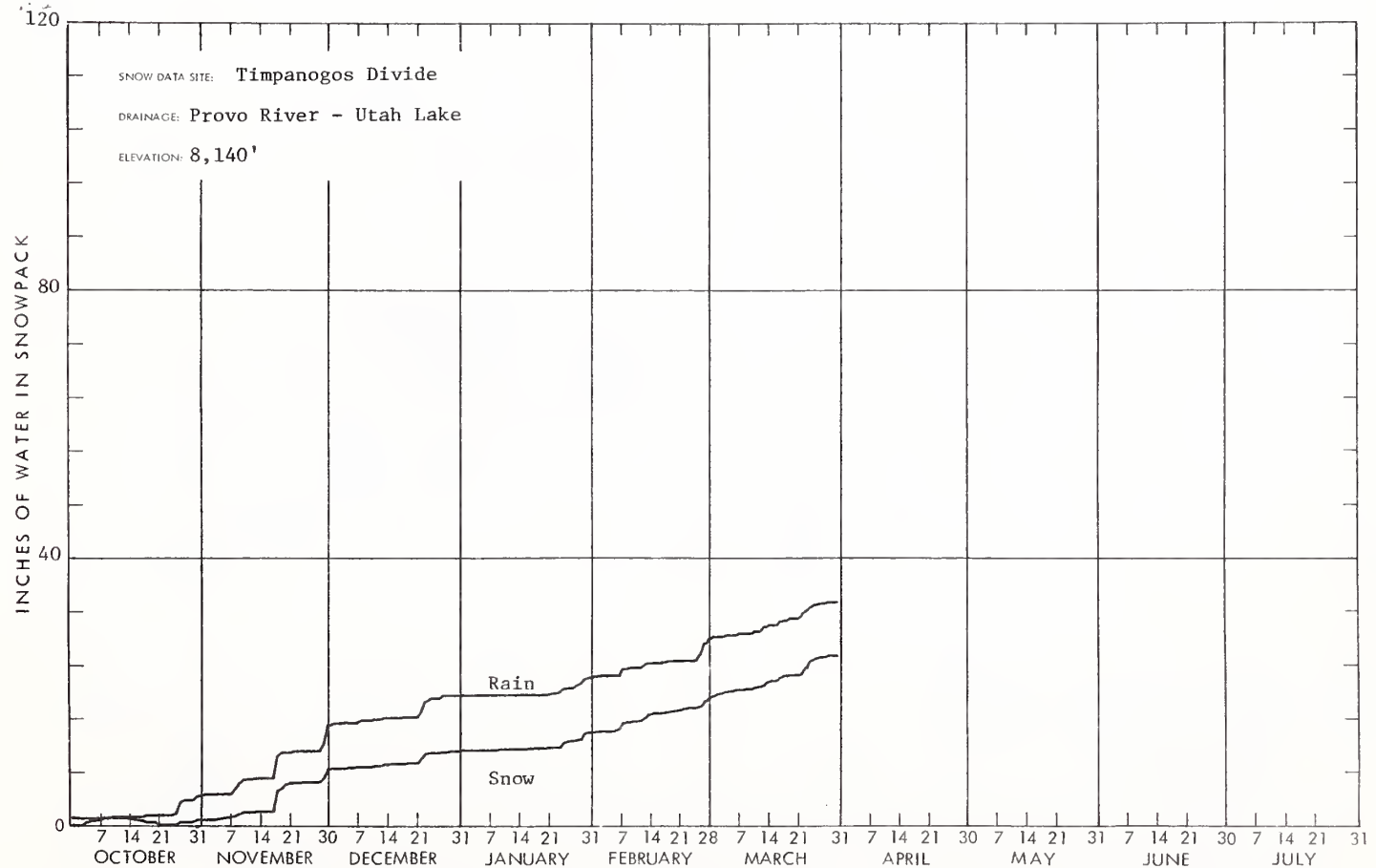
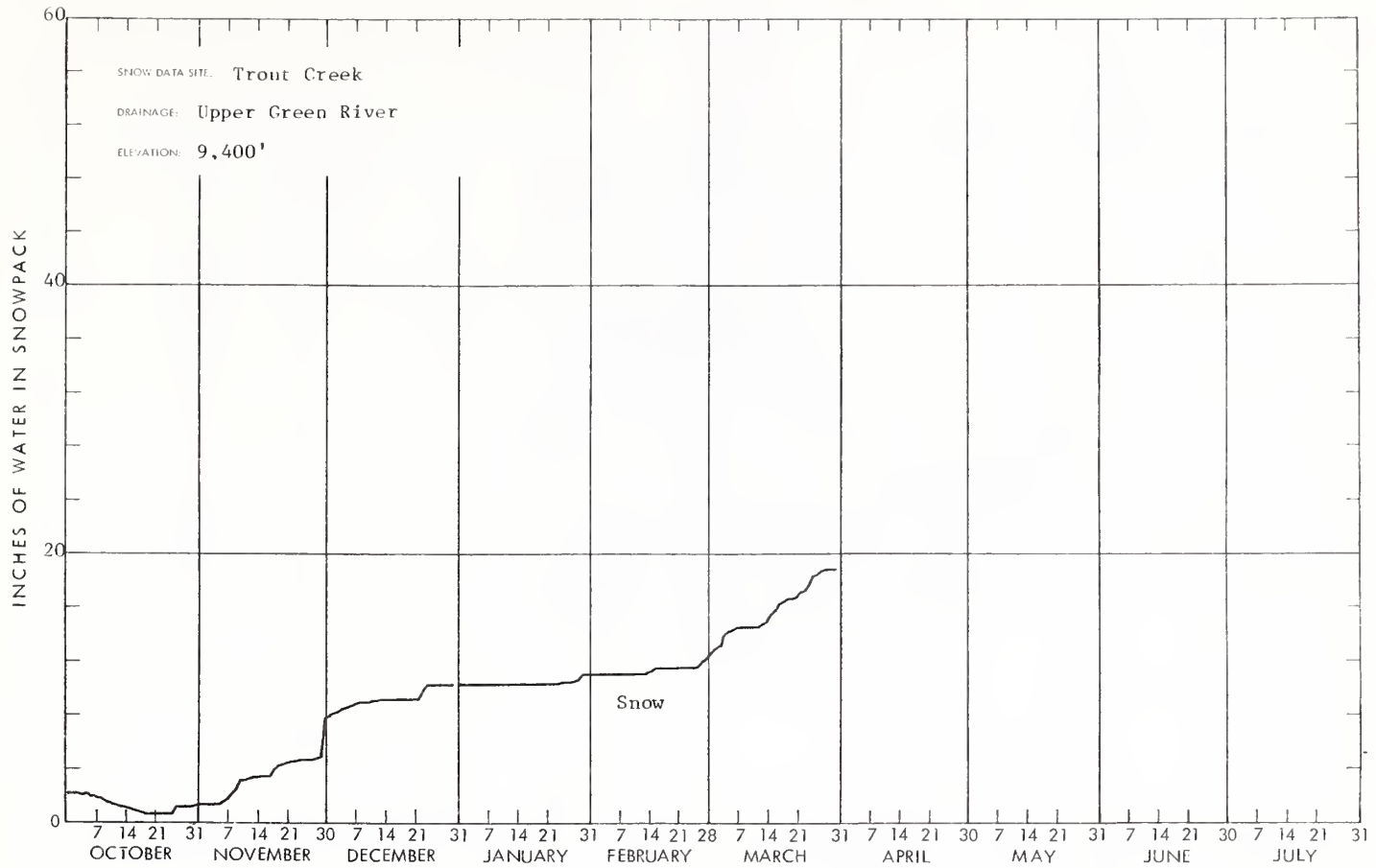


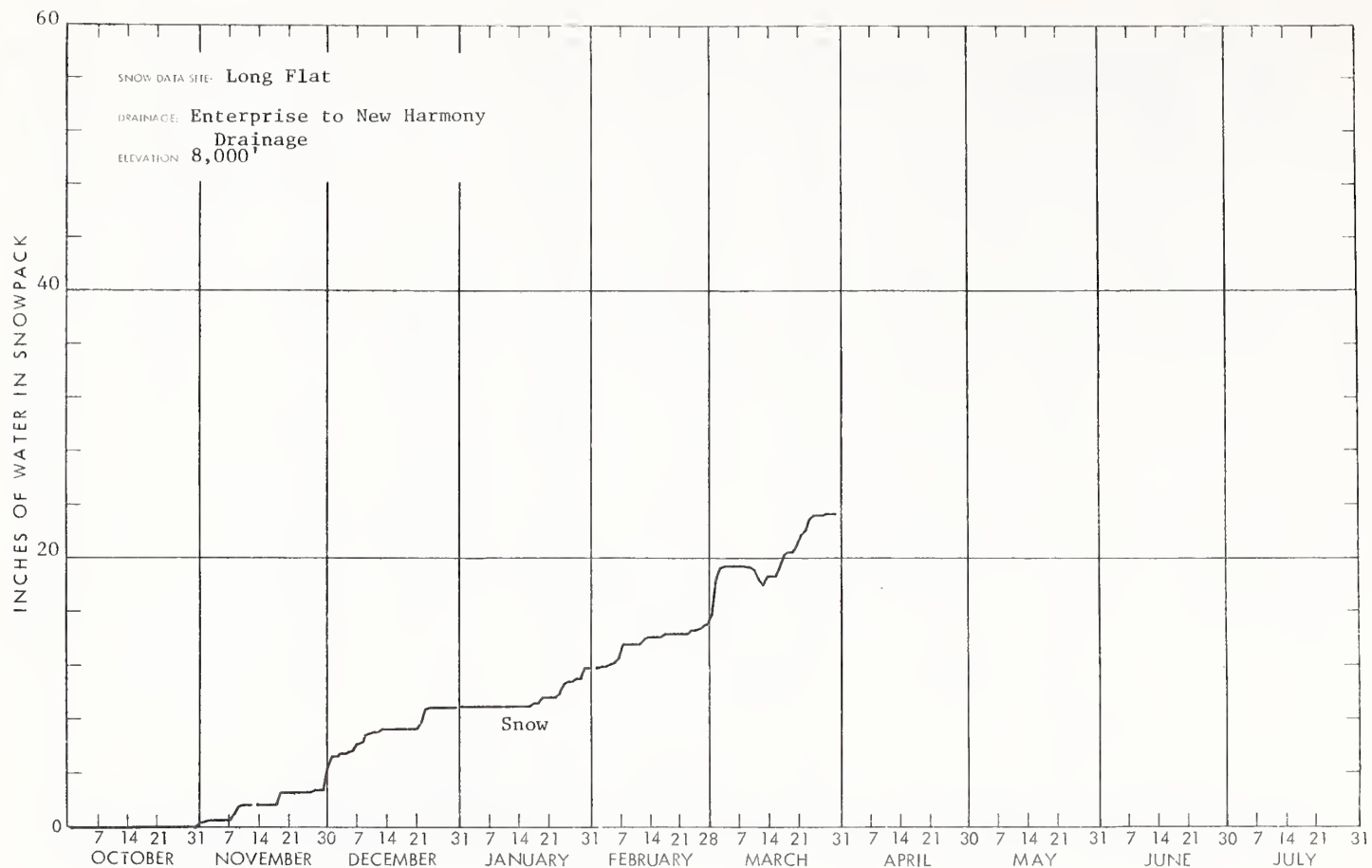


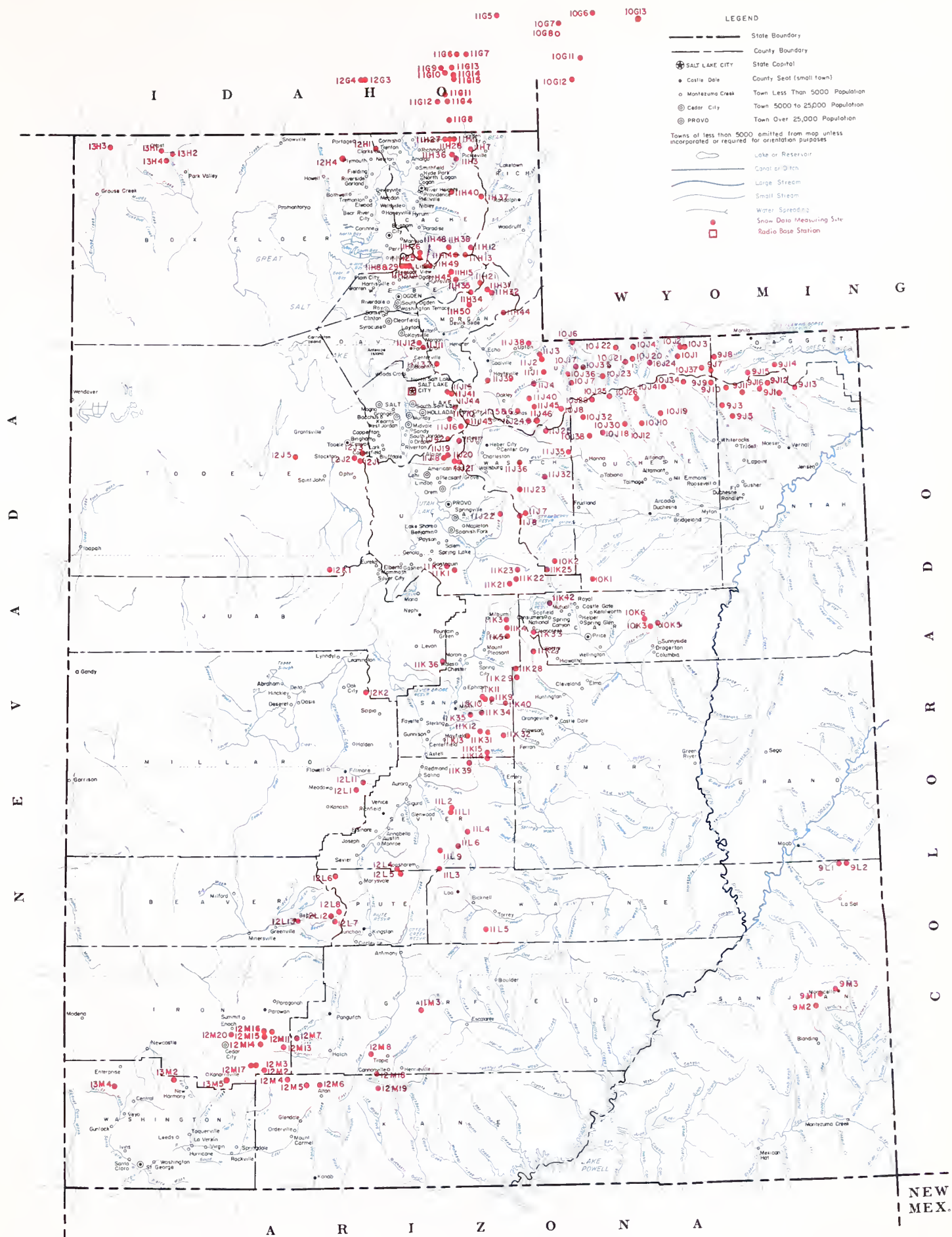












SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982



USGS National Atlas 1:1,000,000 Albers
Equal-Area projection (1967) used as source
for base map and adopted for SCS use.

0 20 40
SCALE 1:1,000,000
ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

[illegible]

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG., - ROOM 4012
125 SOUTH STATE ST.
SALT LAKE CITY, UTAH 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

FIRST - CLASS MAIL
POSTAGE AND FEES PAID
USDA - SCS
SALT LAKE CITY, UTAH
PERMIT NO. G-267

FIRST CLASS MAIL

0000

National Agricultural Library
Belleville, MO 20705

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*